DIVISION OF FISHES
(SF 97.G7 D2 v.3)

Day, Francis

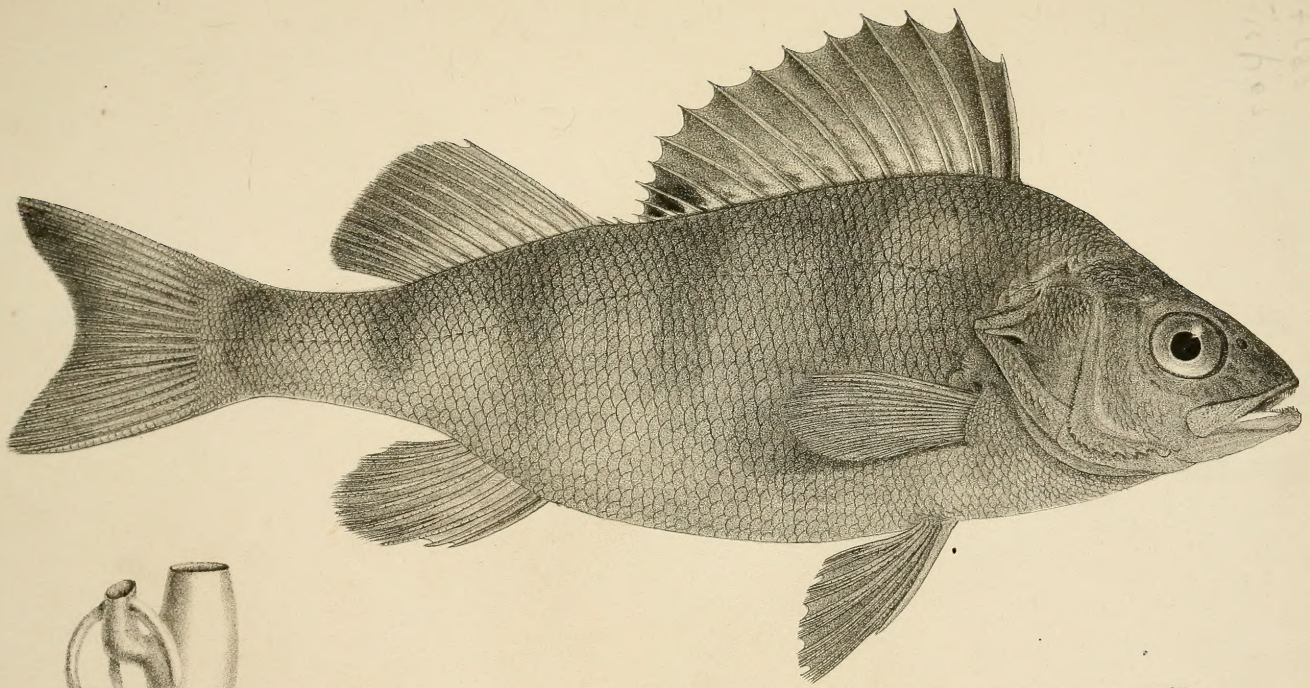
Fishes of Gt Britain and Ireland.

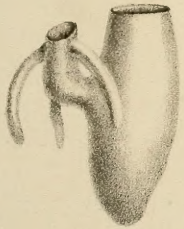
Atlas.

190153
SMITHSONIAN NATIONAL MUSEUM INSTITUTION

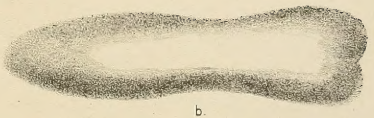
MUSEUM NATIONAL

633
G5 D273
1880
Atlas
SCNHRB





a.



b.

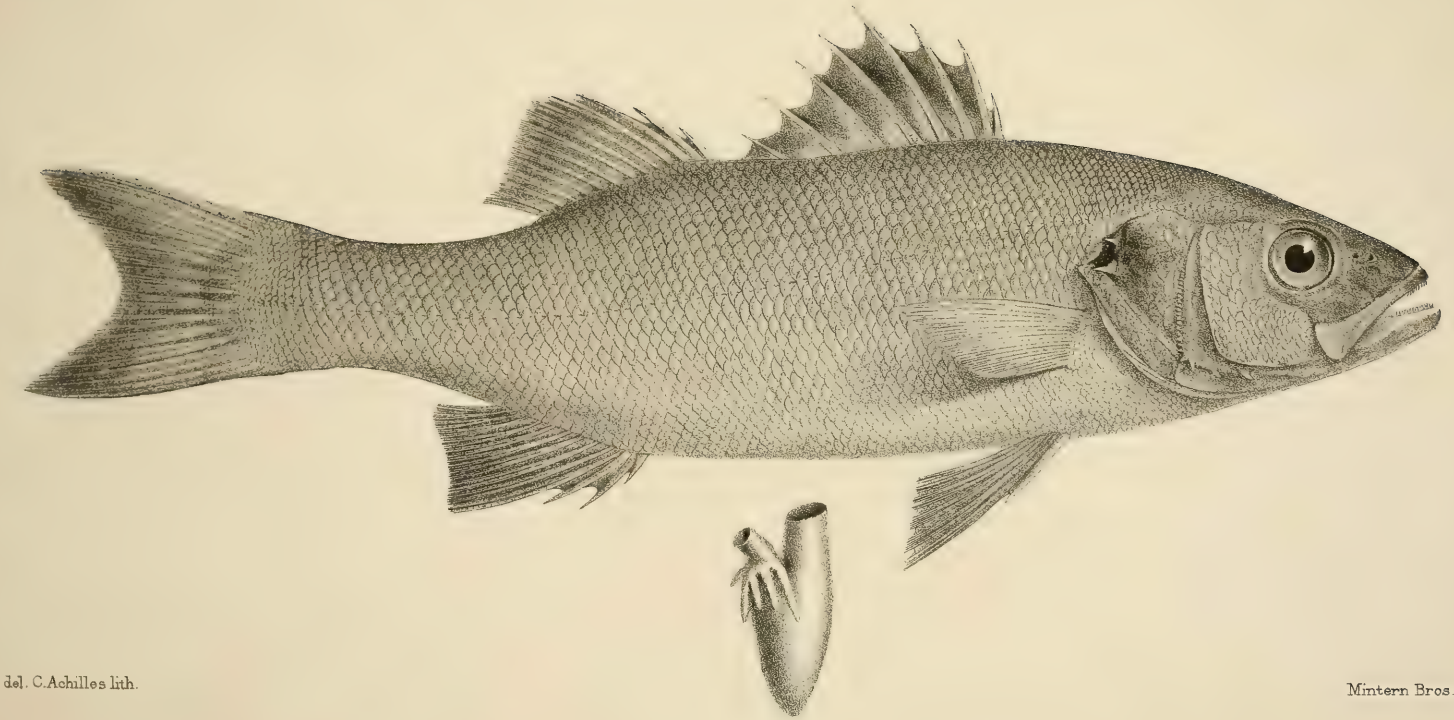
F.Day del. C.Achilles lith.

Mintern Bros. imp.

PERCA FLUVIATILIS.

a. Stomach and pyloric appendages. b. Air-bladder.

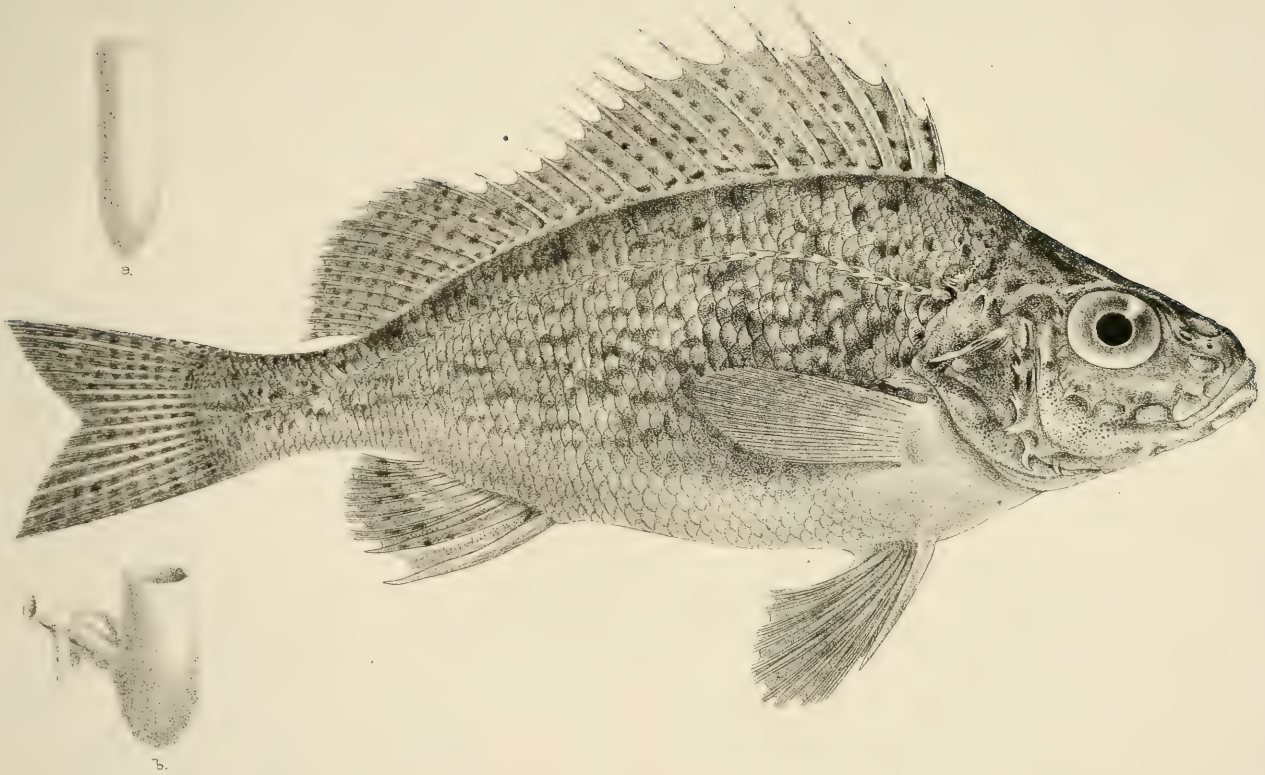
DSI



F.Day del. C.Achilles lith.

Mintern Bros. imp.

LABRAX LUPUS.

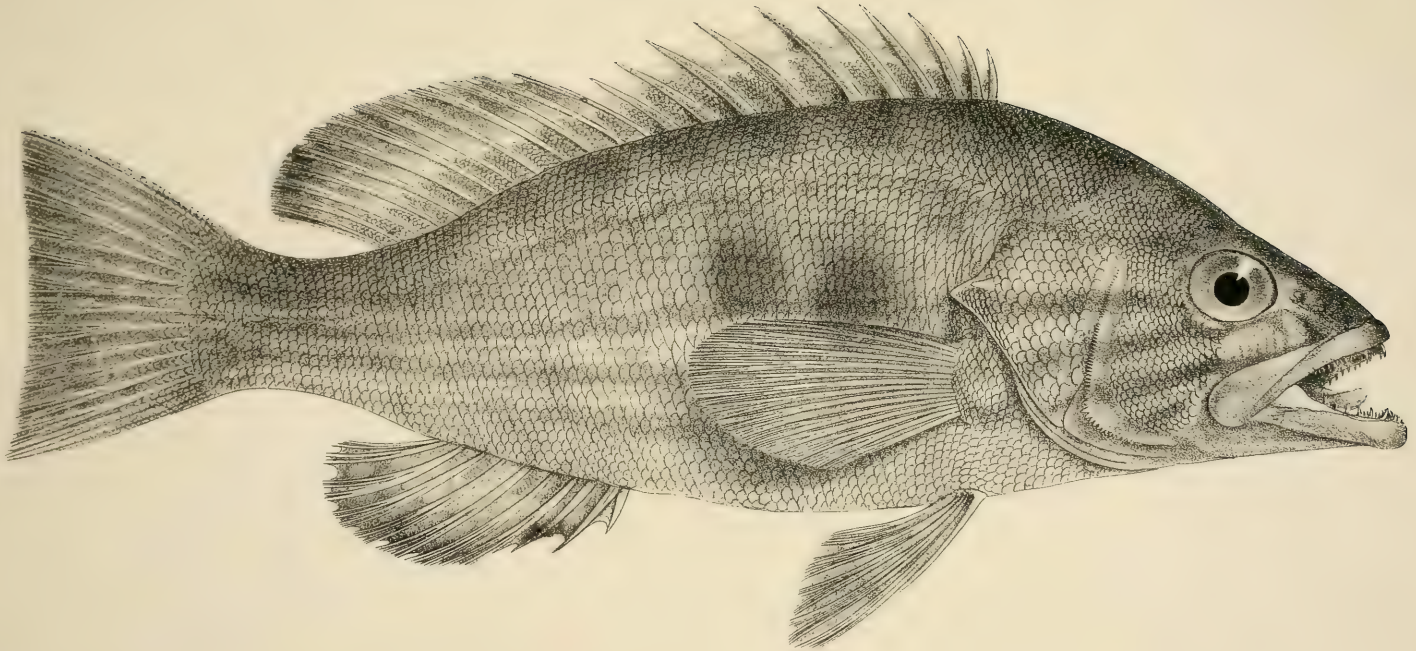


F Day del. C Achilles lith

Mintern Bros imp

ACERINA VULGARIS.

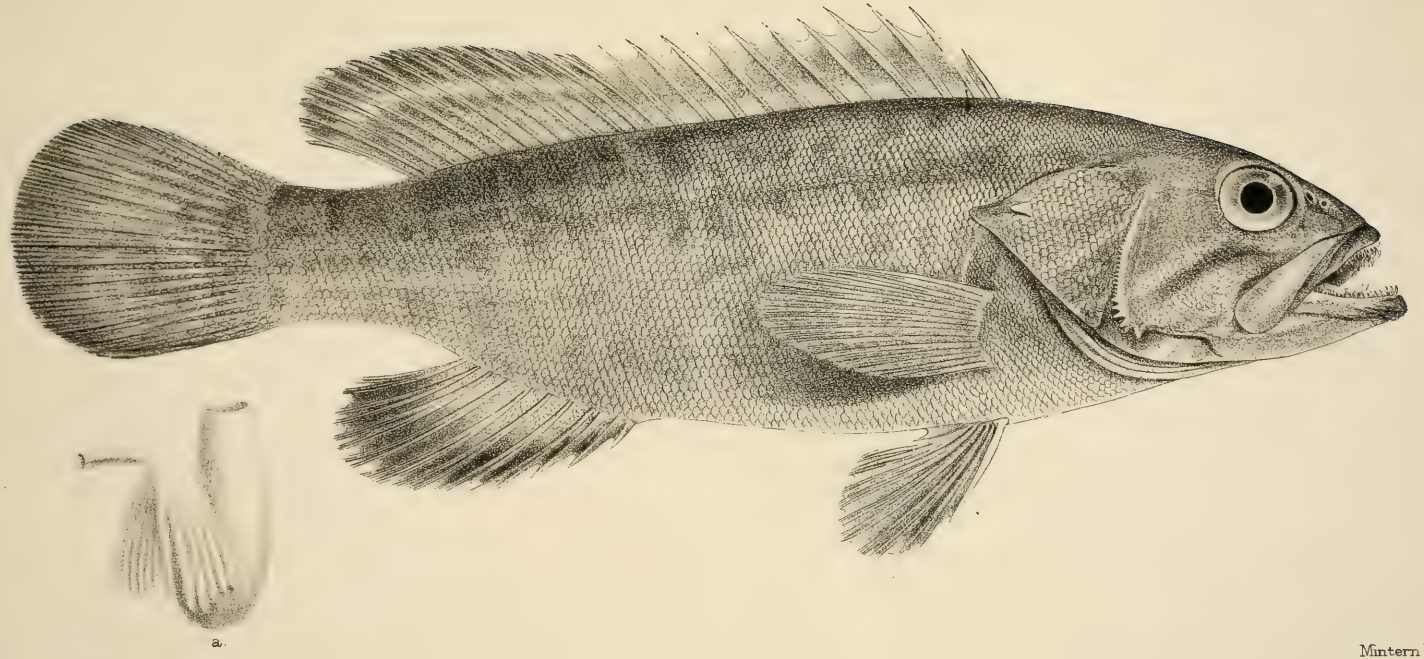
a. Air-bladder. b Stomach and pyloric appendages.



F.Day del. C.Achilles lith.

Mintern Bros. imp.

SERRANUS CABRILLA.

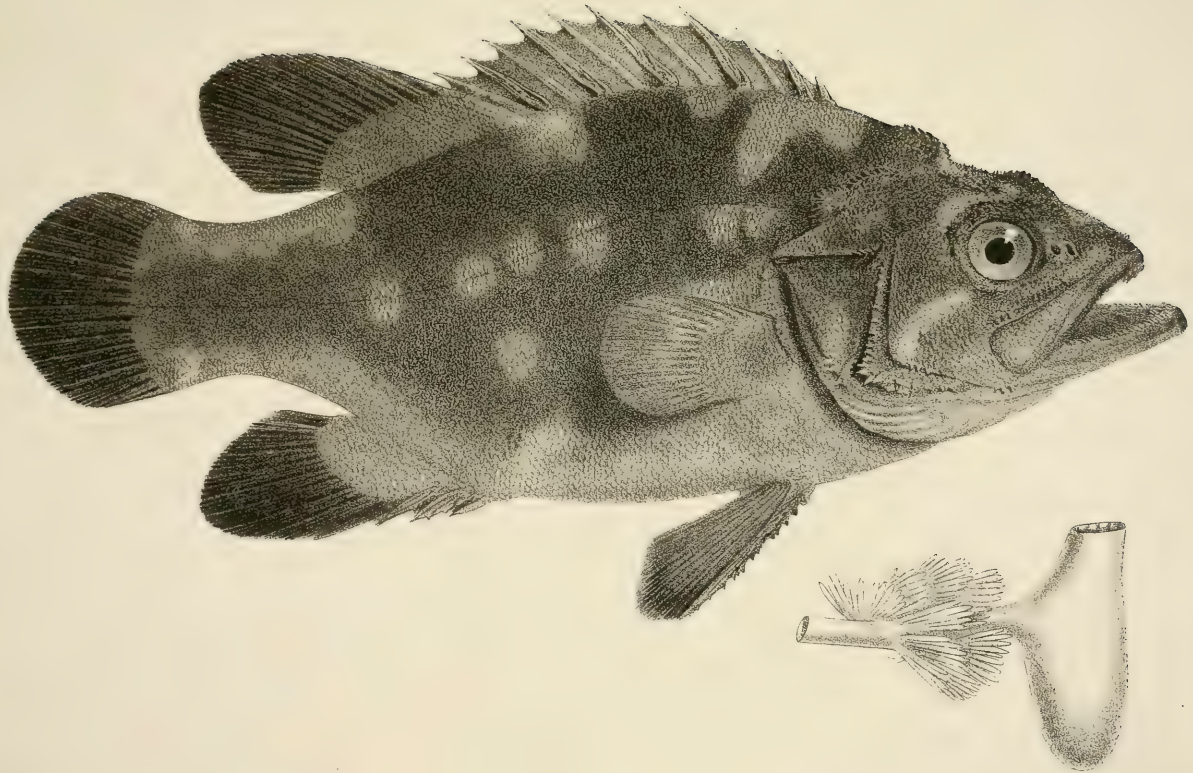


F.Day del. C.Achilles lith.

Mintern Bros. imp.

SERRANUS GIGAS.

a. Stomach and pyloric appendages.

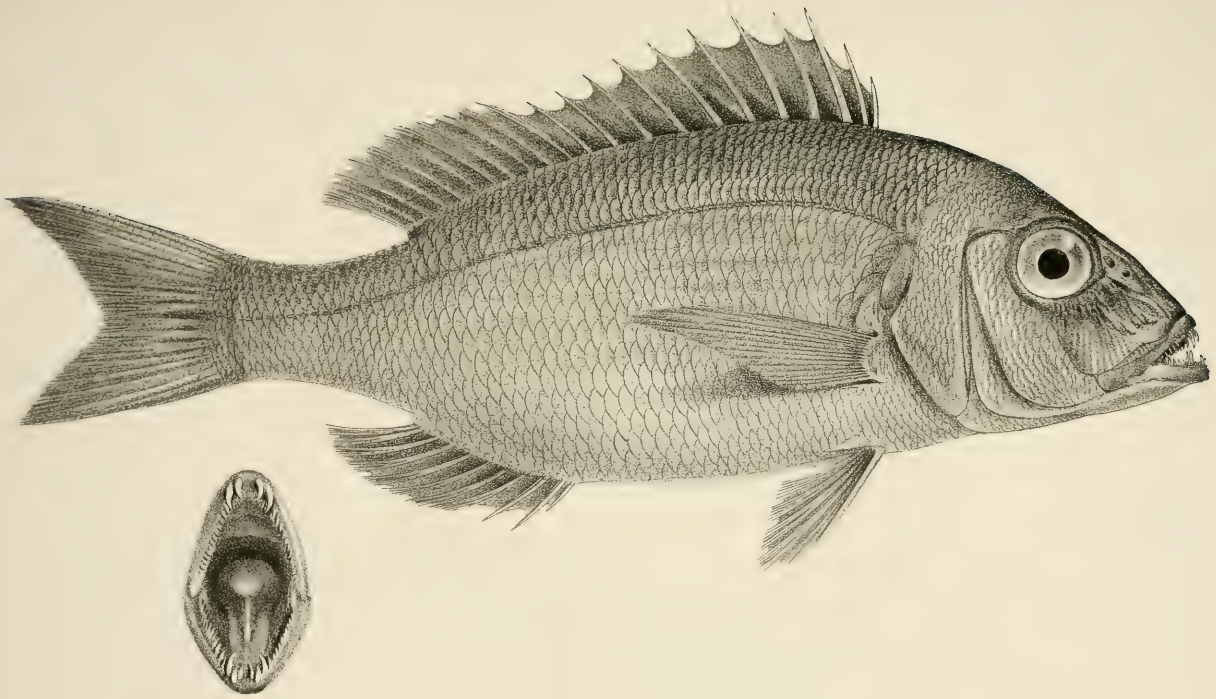


F Day del. C Acres lith.

Mintern Bros. imp

POLYPRION CERNIUM

a. Stomach and pyloric appendages



F. Day del. C. Achilles lith

Mintern Bros. imp.

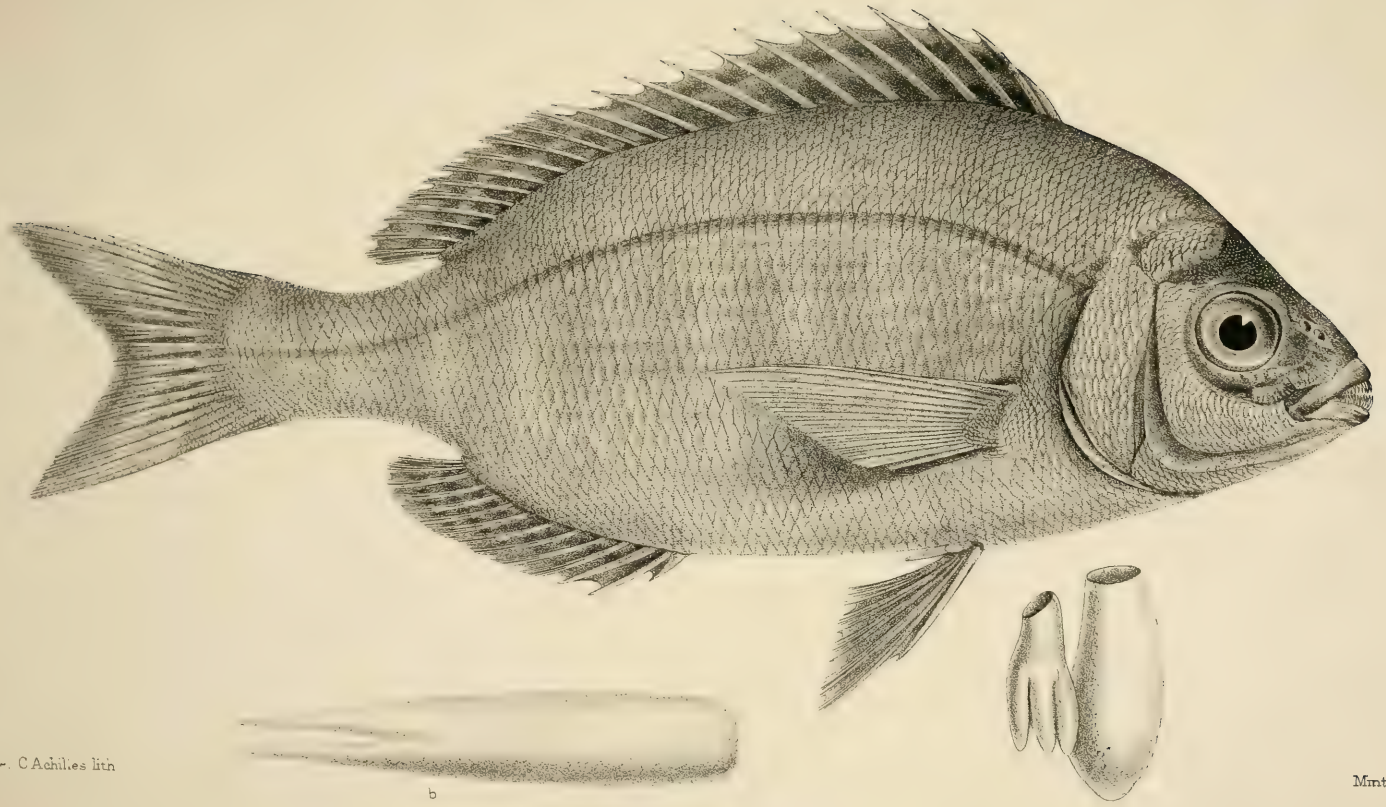
DENTEX VULGARIS.

F.Day del. C.Achilles lith.

Mintern Bros. imp.

1.MULLUS BARBATUS. 2. VARIETY MULLUS SURMULETUS.

2a. Stomach and pyloric appendages.

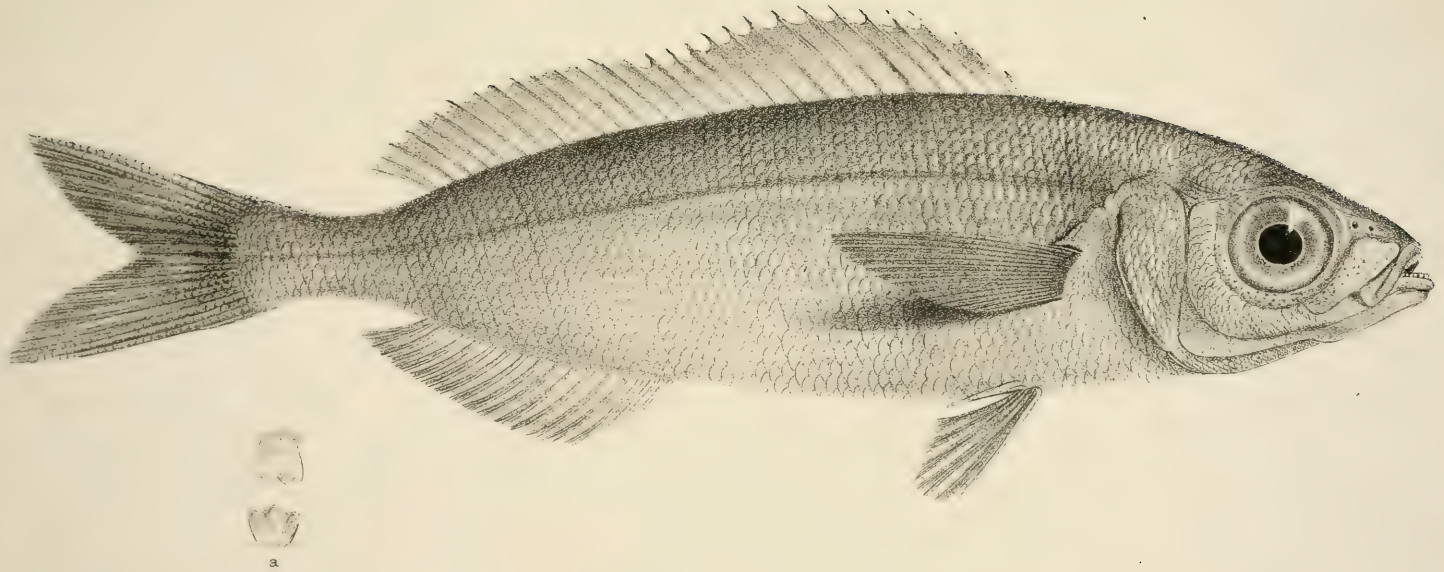


F Day del. C Achilles lith

Mintern Bros. imp

CANTHARUS LINEATUS.

a. Stomach and pyloric appendages. b Air-bladder

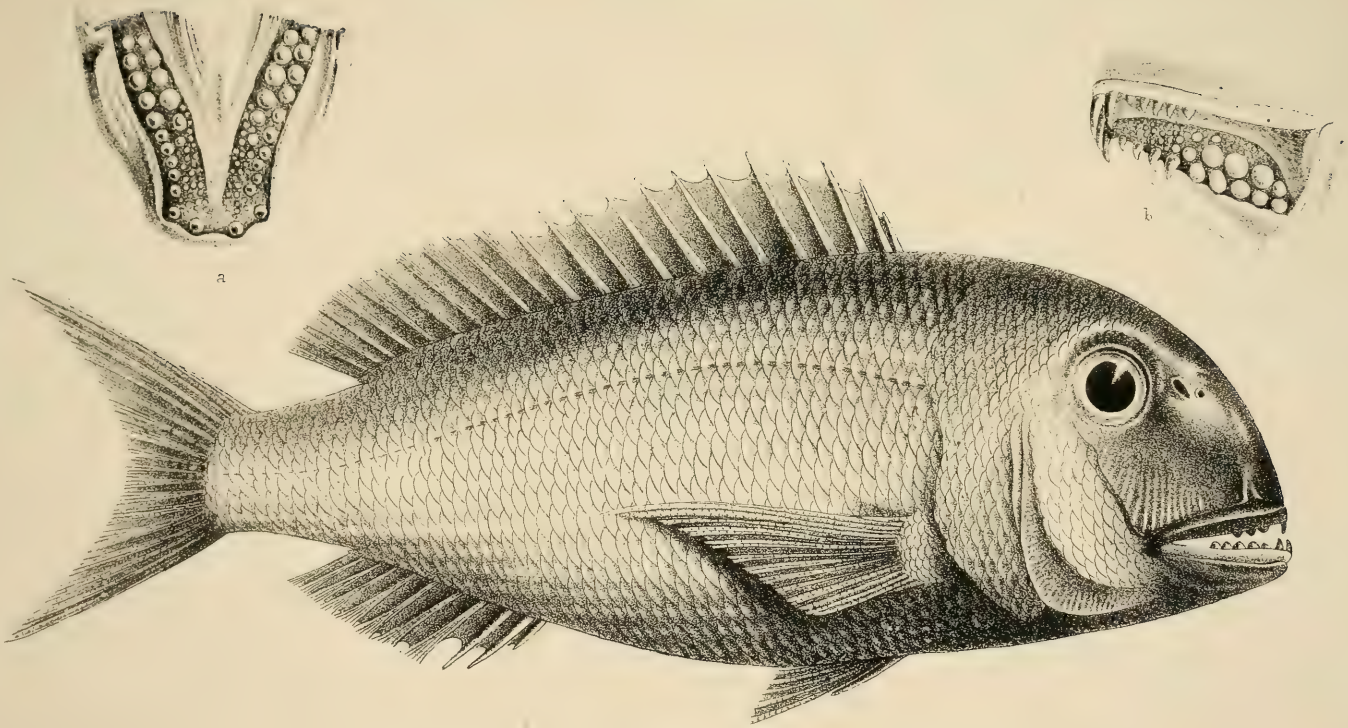


F Day del. C. Achilles lith

Mintern Bros. imp.

BOX VULGARIS.

a Teeth

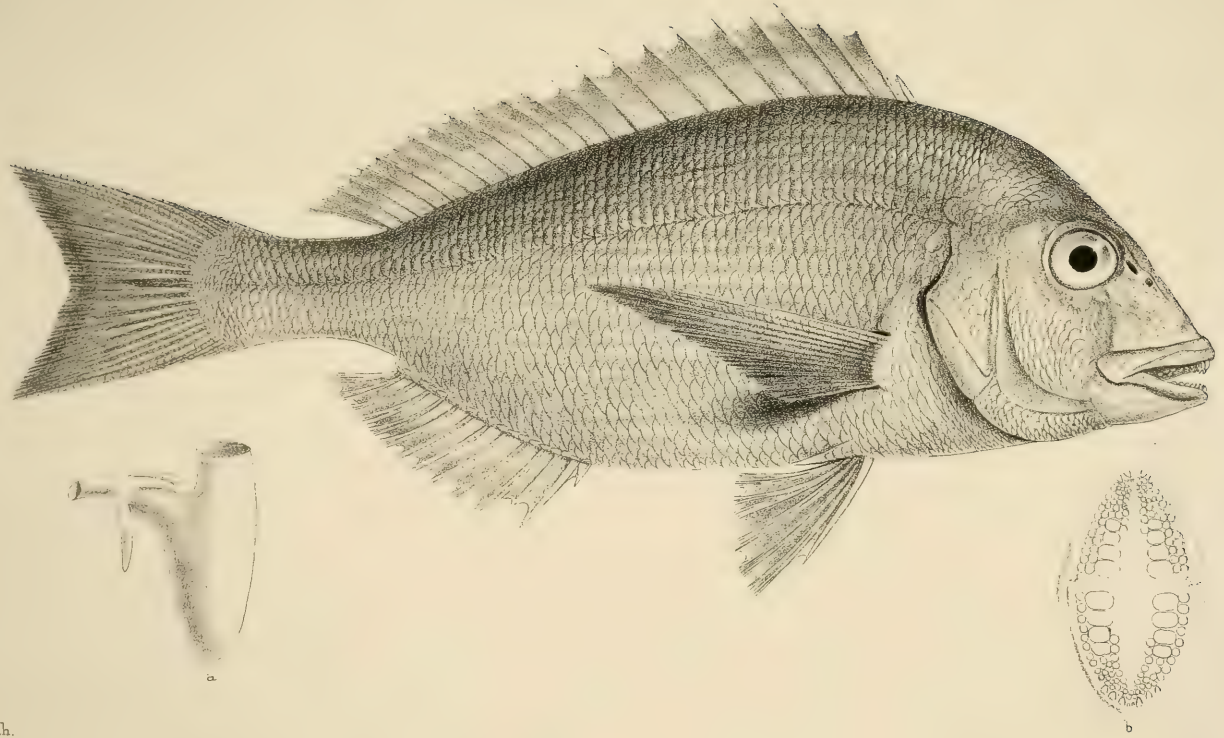


F.Day del. A.Hammond Lith.

PAGRUS VULGARIS.

a. Upper Jaw b. Lower Jaw

Hanhart. imp.

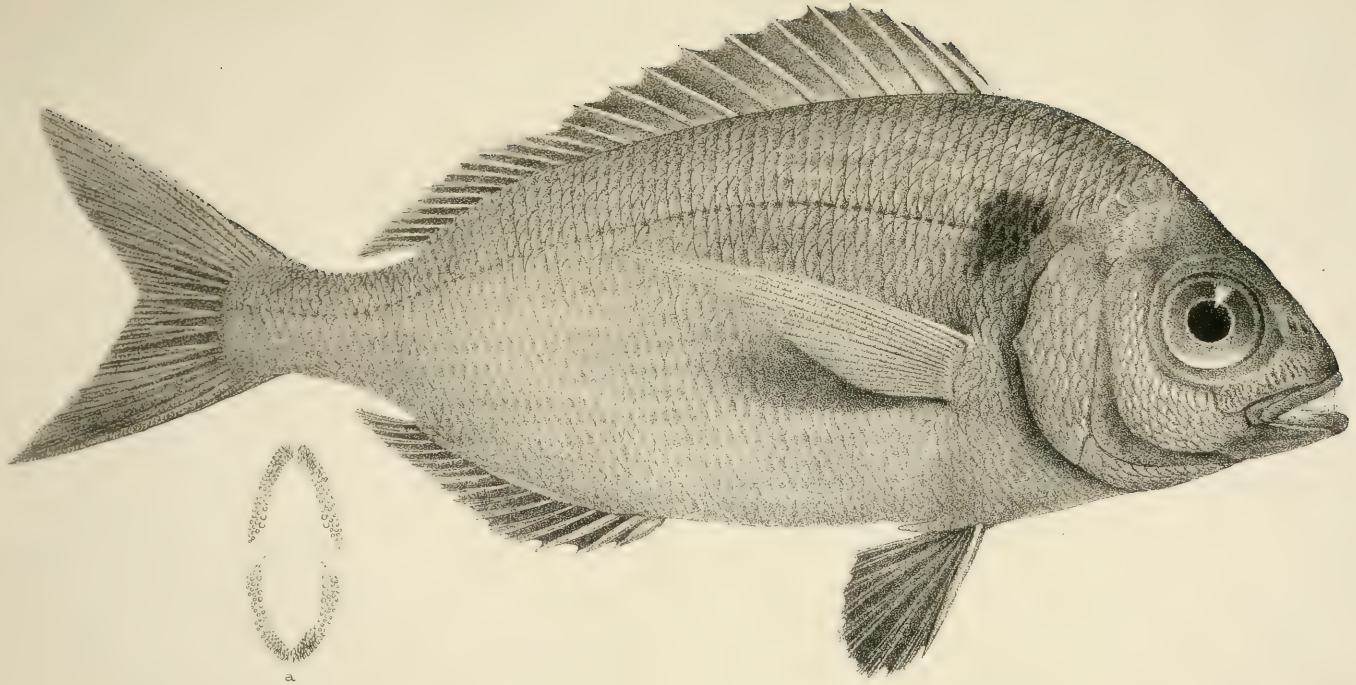


F. Day del C Achilles lith.

Mintern Bros. imp.

PAGRUS AURATUS.

a. Stomach and pyloric appendages. b Dentition.

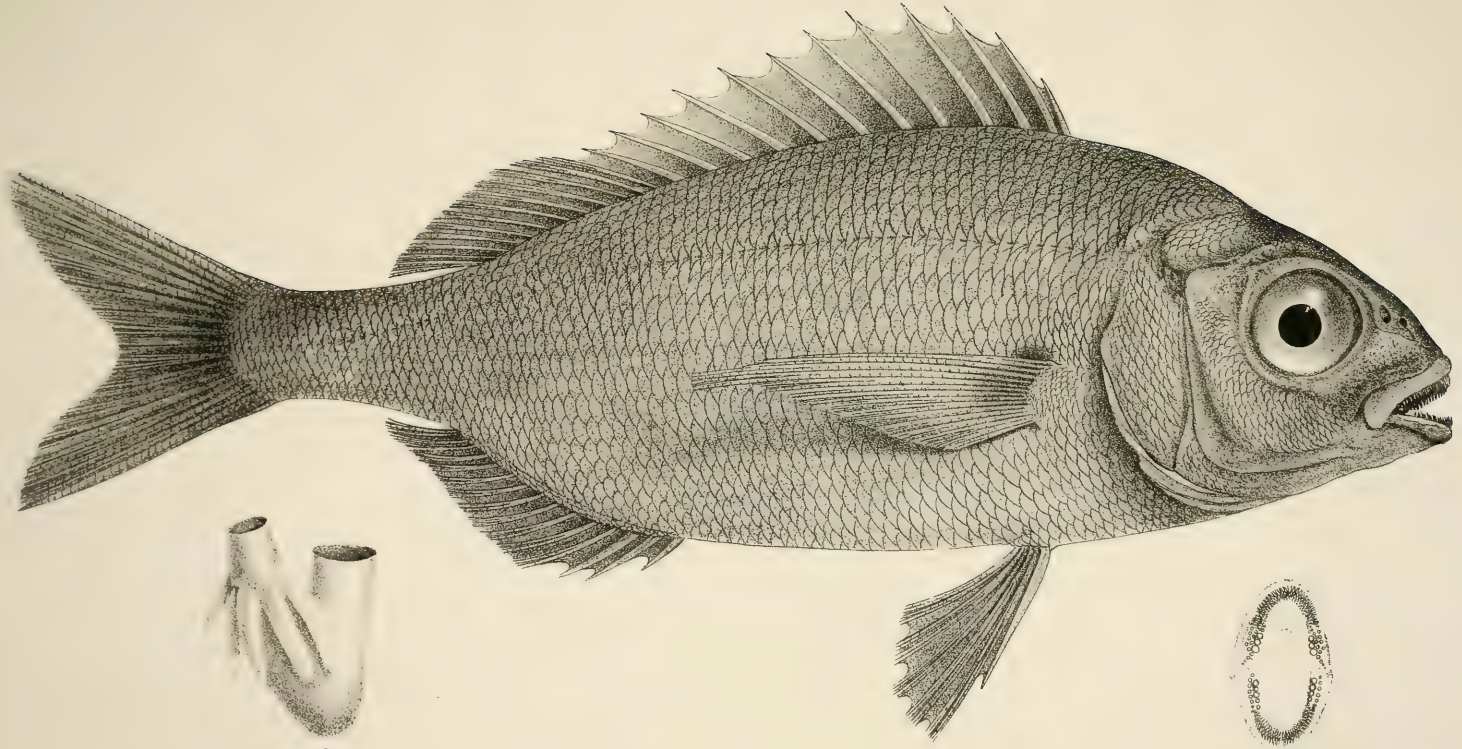


F. Day del. C. Achilles lith.

Mintern Bros. imp.

PAGELLUS CENTRODONTUS.

a. Dentition.



a

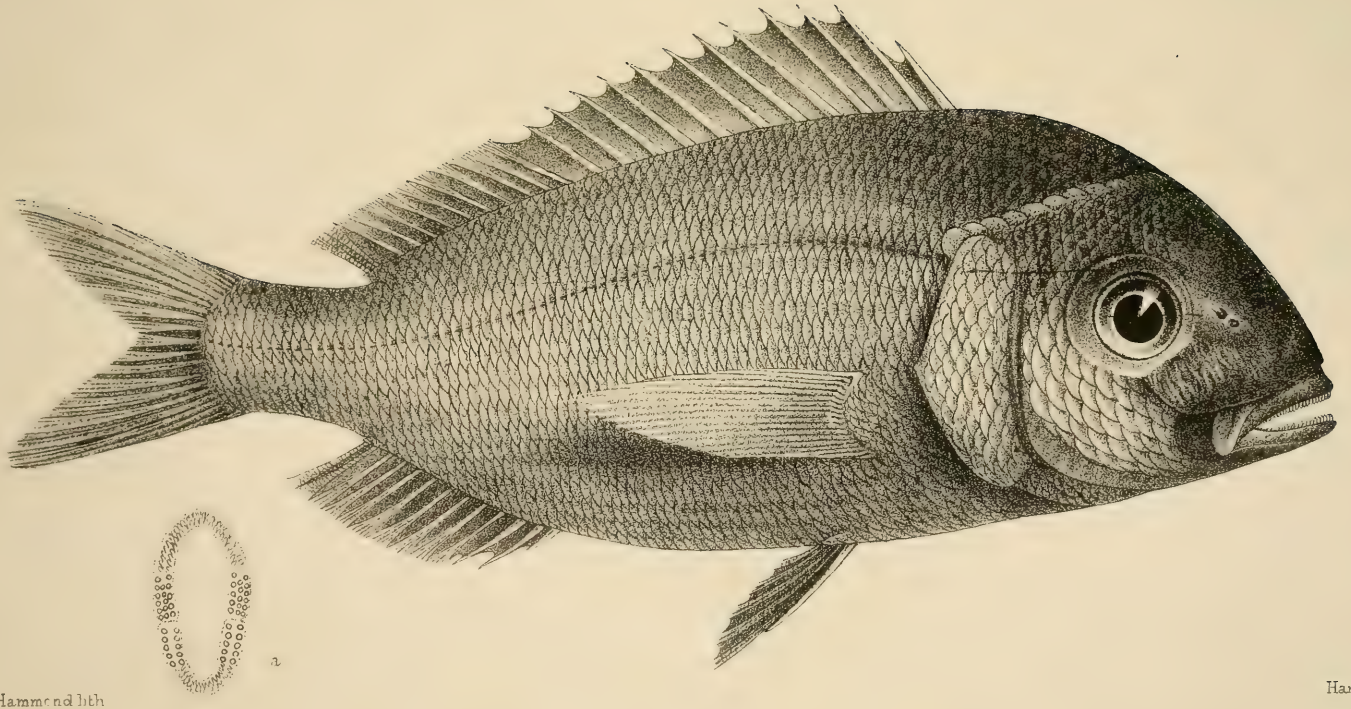
b

F.Day del. C.Achilles lith

Mintern Bros. imp.

PAGELLUS BOGARAVEO

a. Stomach and pyloric appendages. b. Dentition.

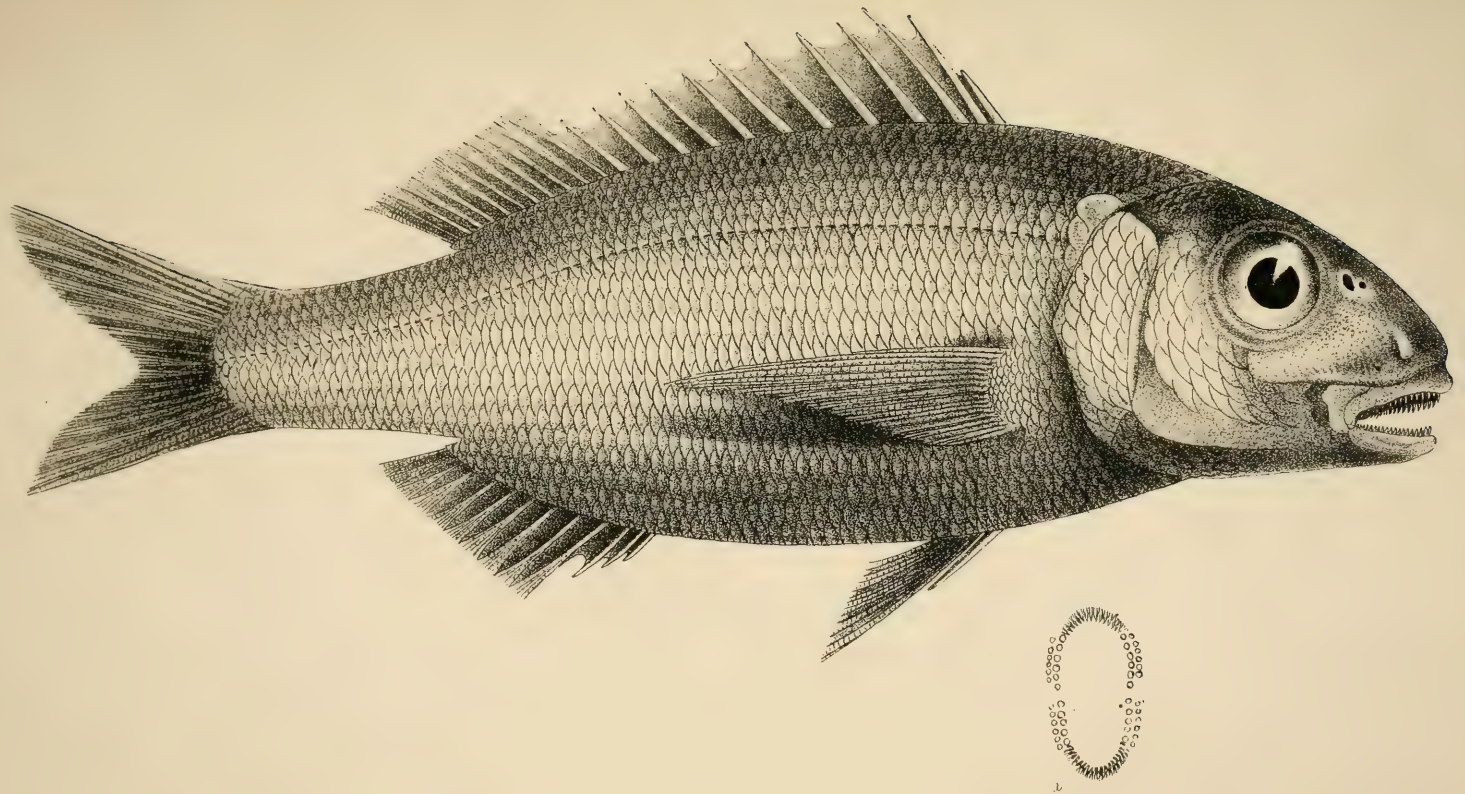


F Day del AHammond lith

Hanhart imp

PAGELLUS OWENII.

a Dentition.

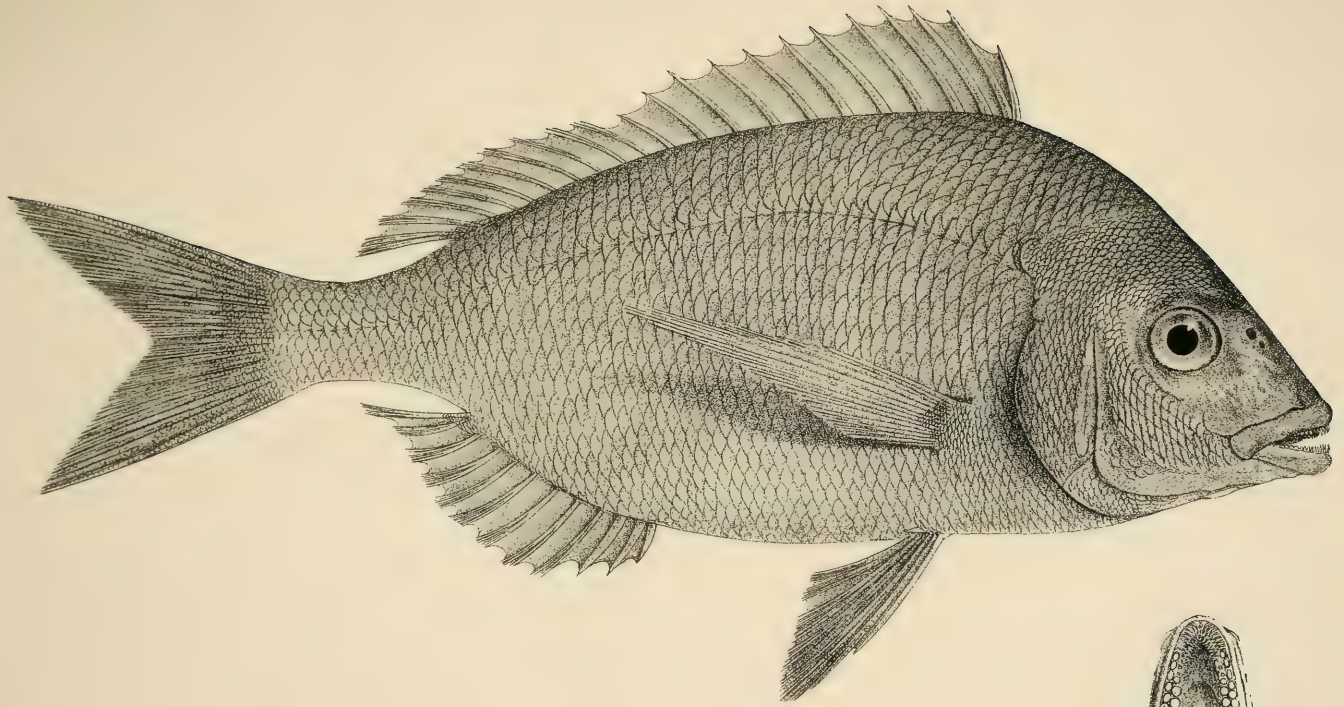


F. Day del. A. Hammond lith.

Hanhart imp.

PAGELLUS ACARNE

a. Dentition



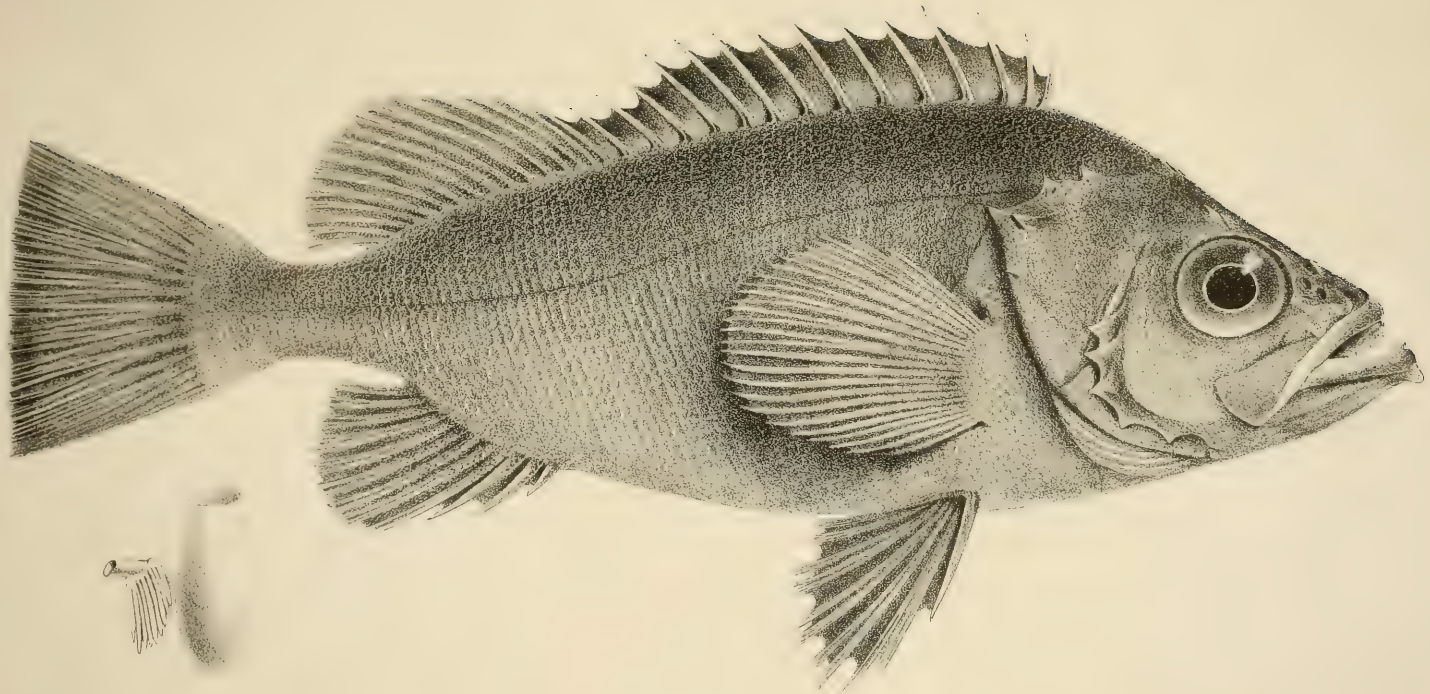
a

F Day del C Achilles lith

Mintern Bros. imp

PAGELLUS ERYTHRINUS.

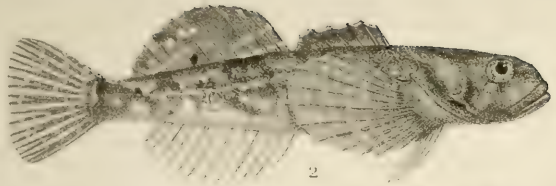
a. Lower jaw with teeth.



F.Day del. C.Achilles lith.

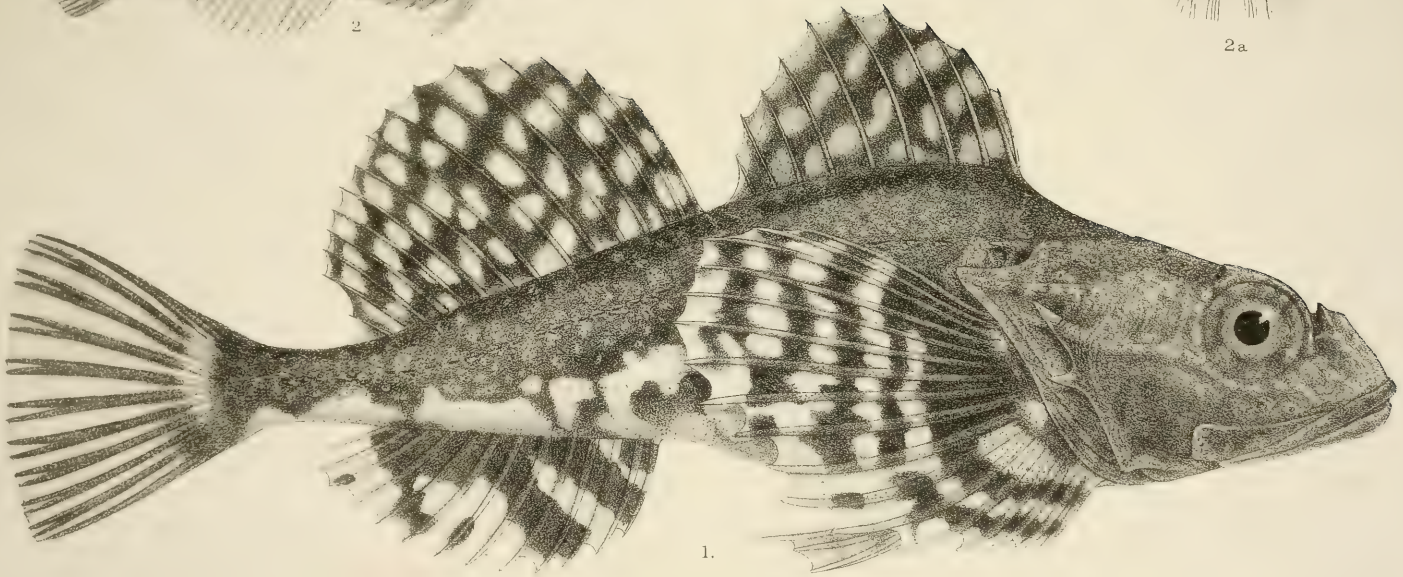
Mintorn Bros. imp

SEBASTES NORWEGICUS.



2

2a

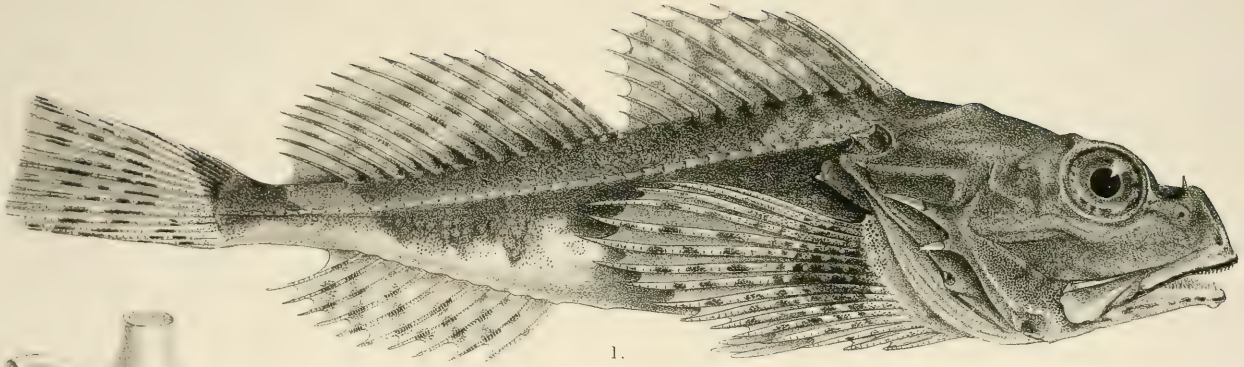


1.

F. Day del C. Achilles lith

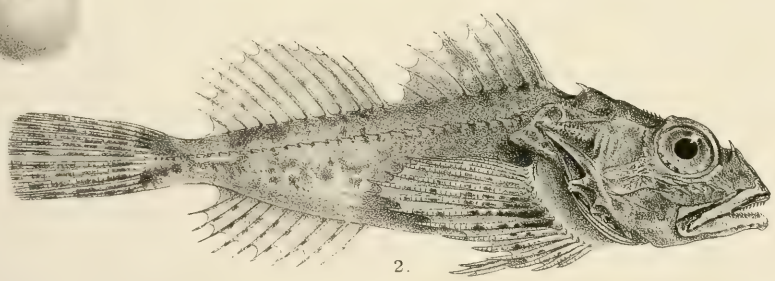
Mintern Bros. imp.

1. COTTUS SCORPIUS (VARIETY GROENLANDICUS.)
2. COTTUS GOBIO. 2a. under surface of head.



1.

1a.



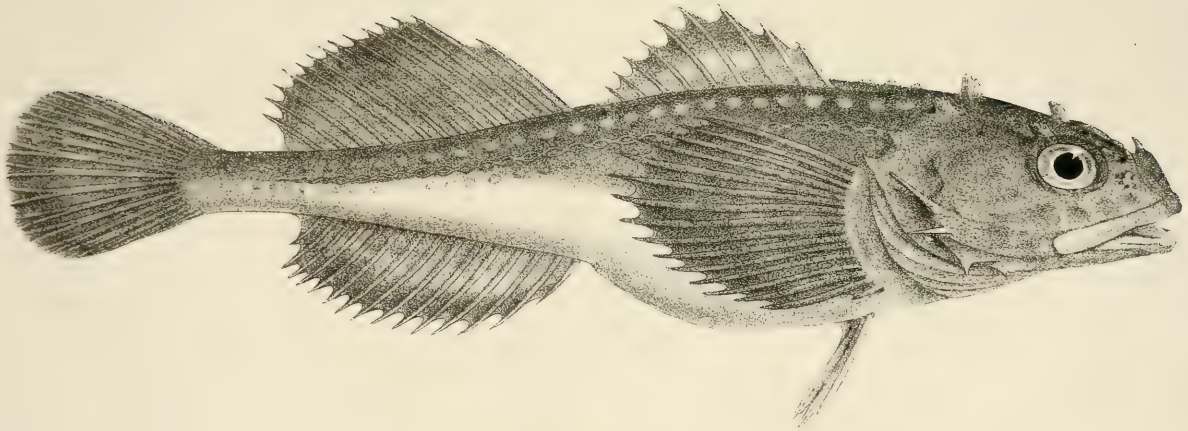
2.

2a

F.Day del. C.Achilles lith.

Mintern Bros. imp.

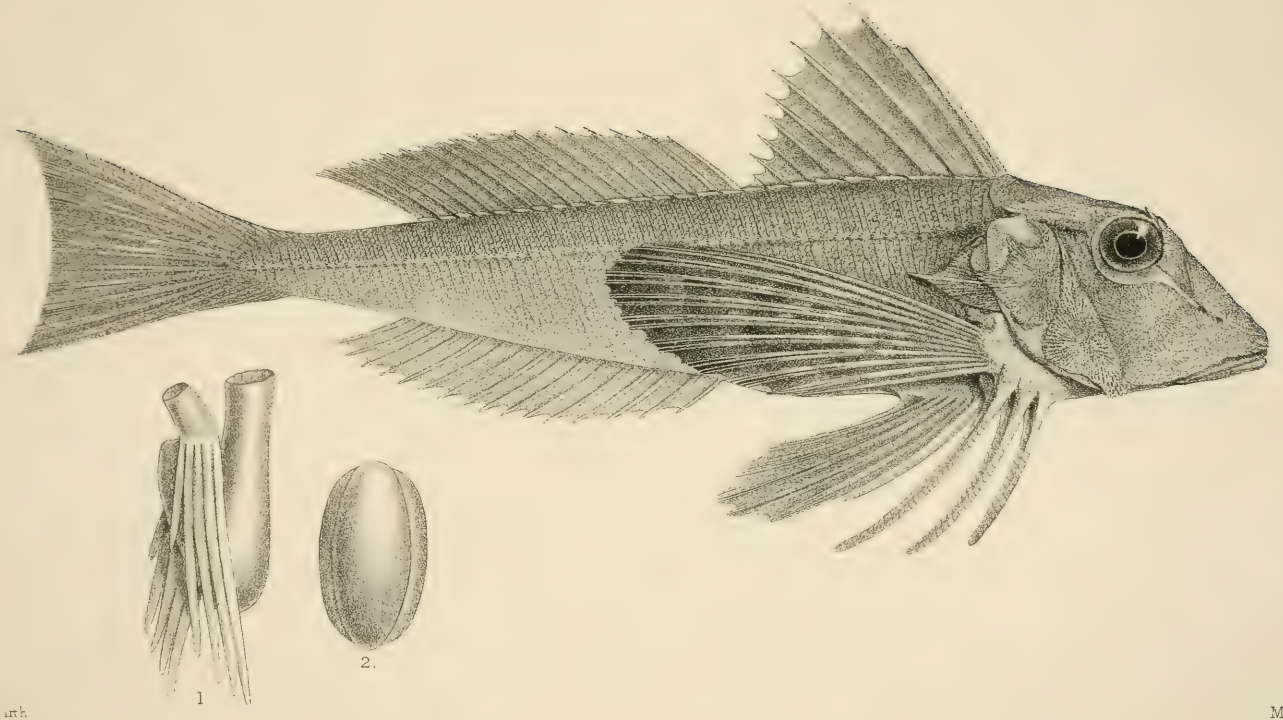
1. COTTUS SCORPIUS. 2 C. BUBALIS.



F. Day del. C. Achilles lith.

Mintern Bros. imp

COTTUS QUADRICORNIS.

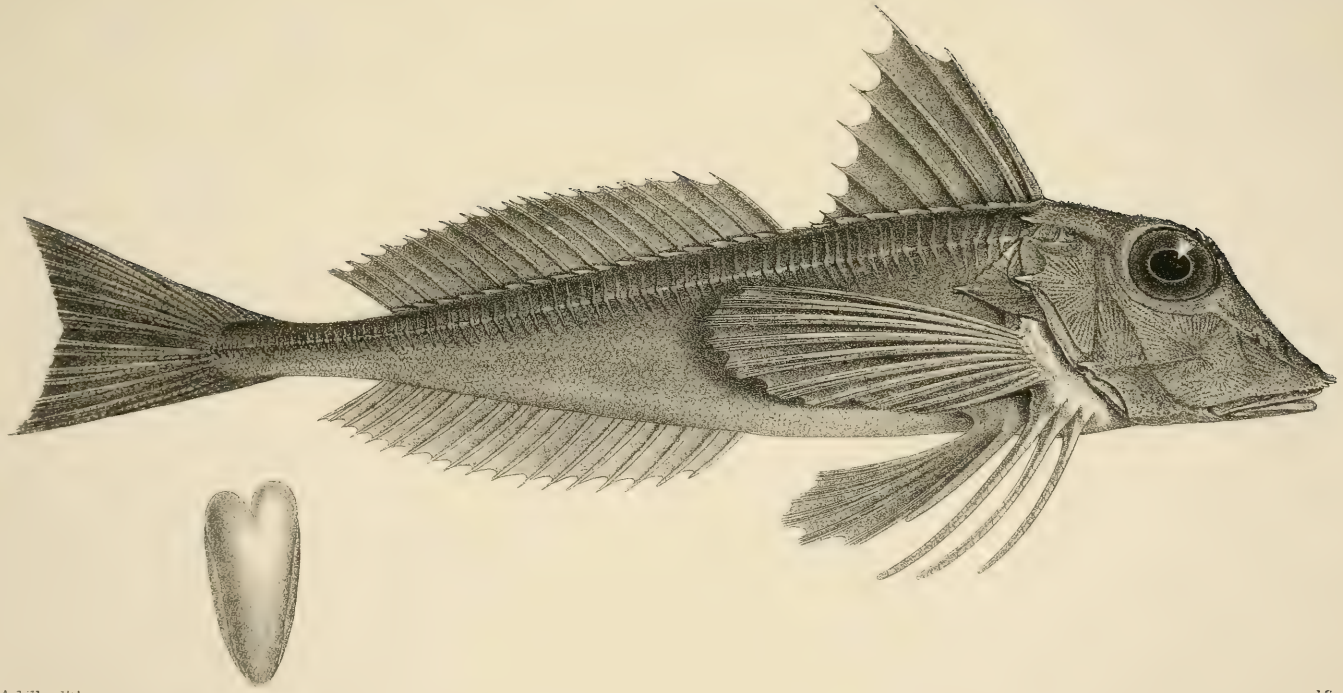


1

2.

J. Day del. & lithe. ink. Mintern Bros. imp.

TRIGLA LINEATA.
1. Stomach and pyloric appendages. 2. Air-bladder.

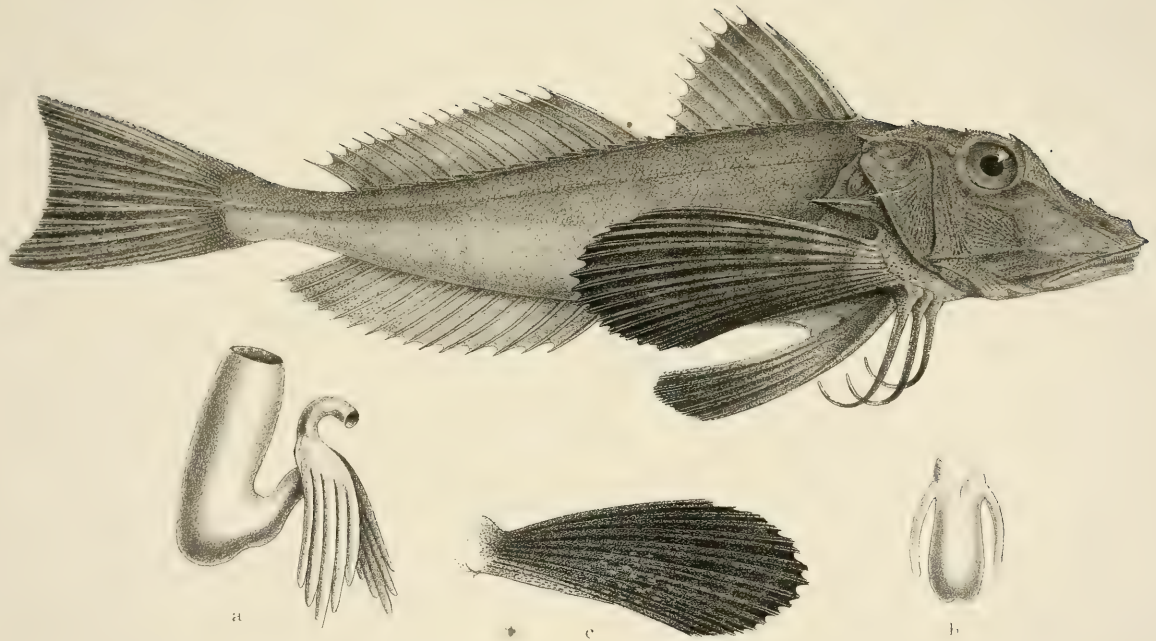


F.Day del. C.Achilles lith.

1

Mintern Bros. imp

TRIGLA CUCULUS.
1. Air-bladder

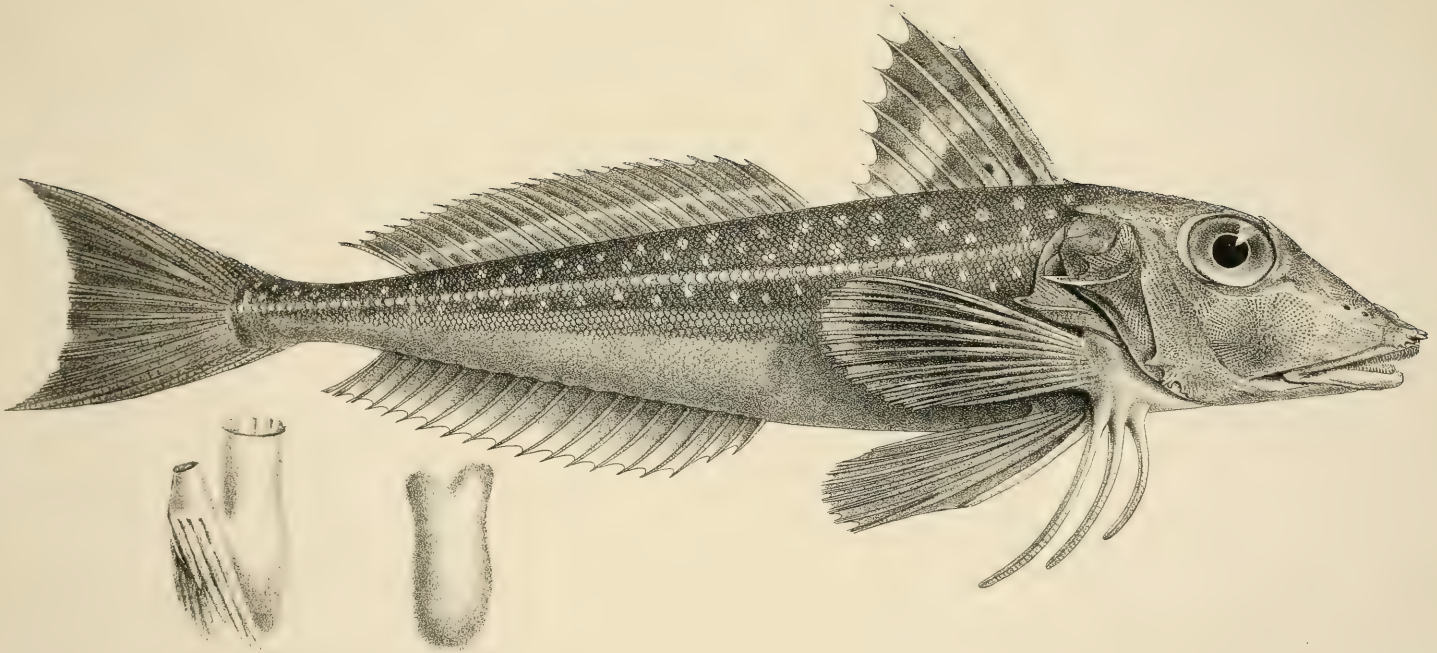


F Day del C Achilles lith

Mintern Bros. imp.

TRIGLA HIRUNDO.

a. Stomach. b. Air-bladder. c. Pectoral fin. (inner side.)



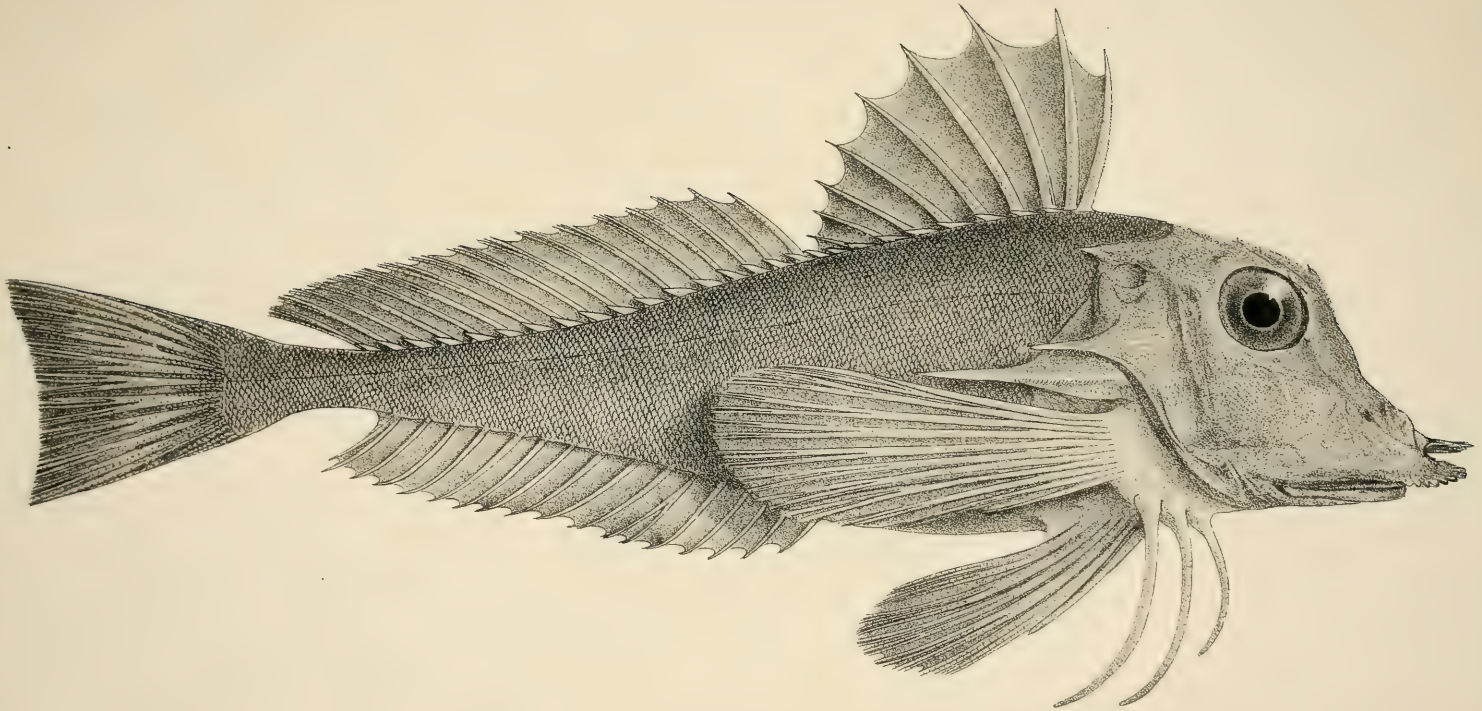
F Day del C Achilles lith

1.

2.

Mintern Bros. imp

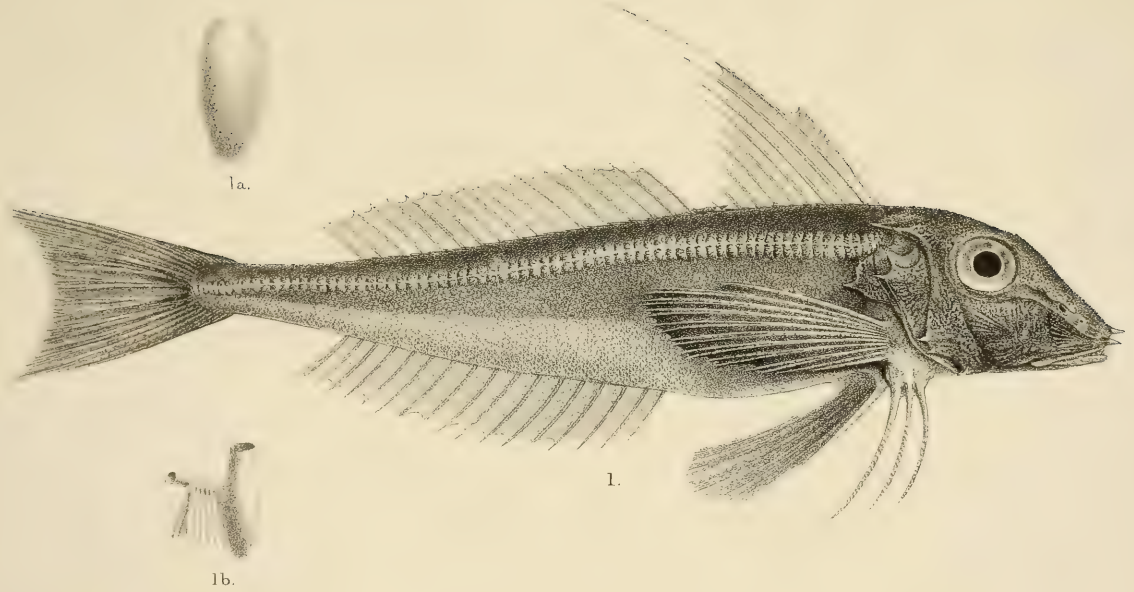
TRIGLA GURNARDUS.
1 Stomach and pyloric appendages 2 Air-bladder



F Day del. C.Achilles lith.

Mintern Bros. imp.

TRIGLA LYRA.

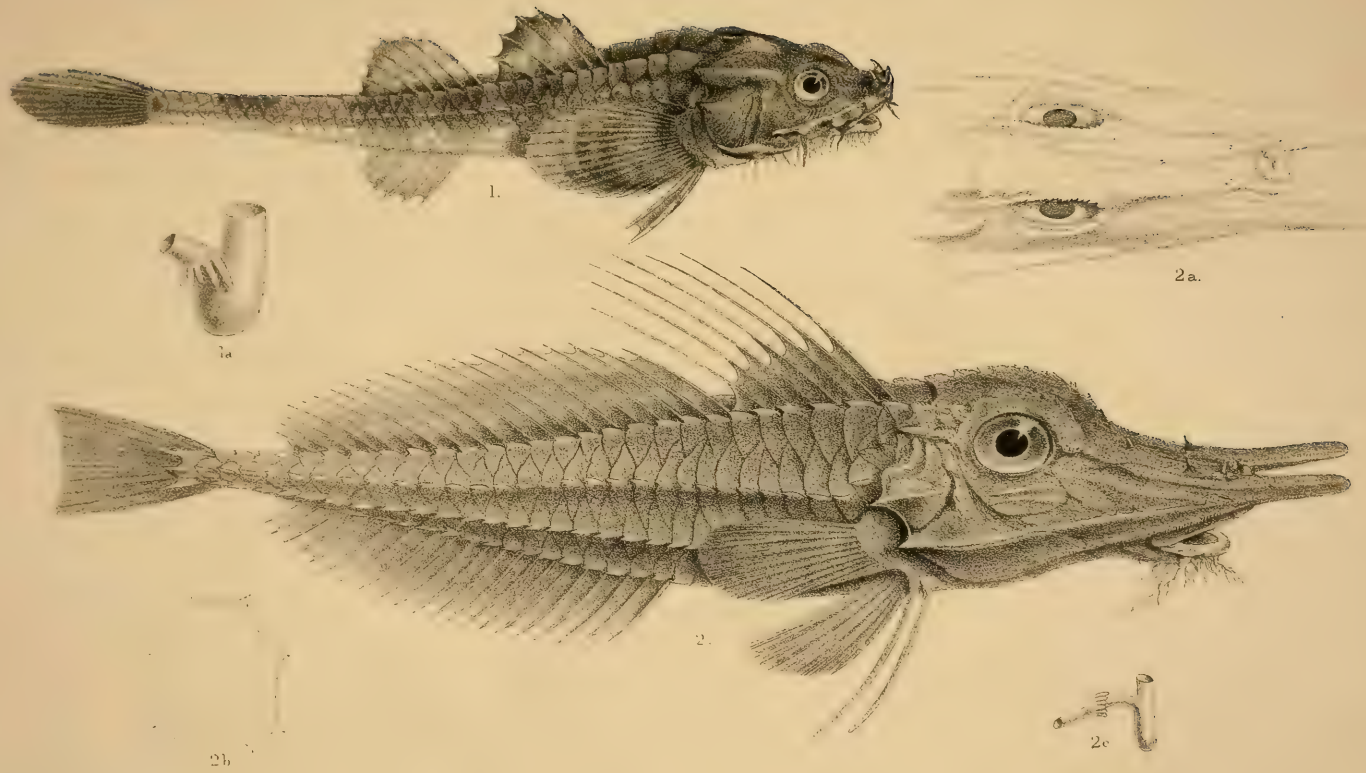


F Day del C Achilles lith

Mintern Bros imp.

TRIGLA OBSCURA.

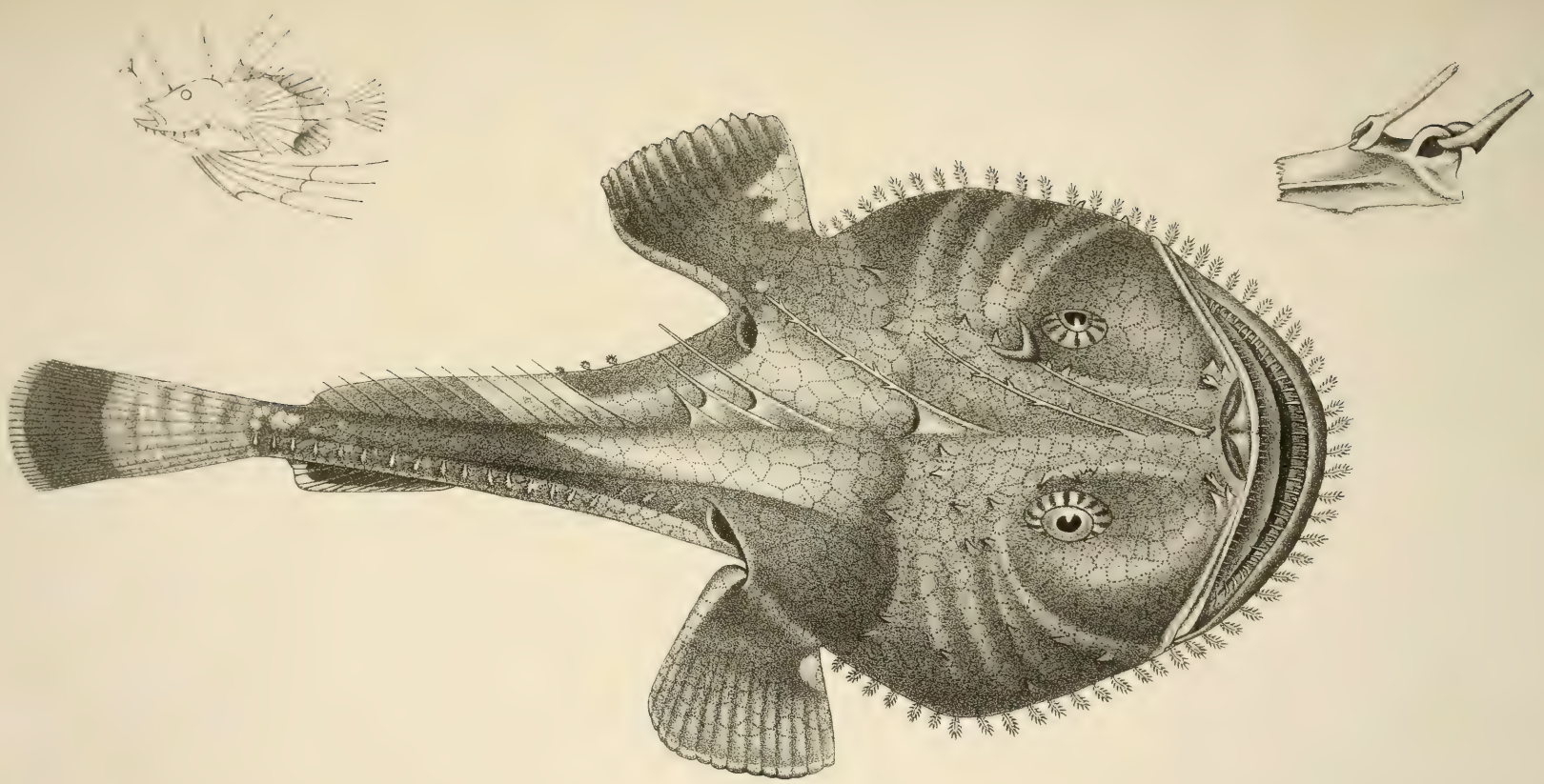
1a. Air-bladder. 1b Stomach and cæcal appendages.



F.Day del C.Achilles lith.

Mintern Bros. imp.

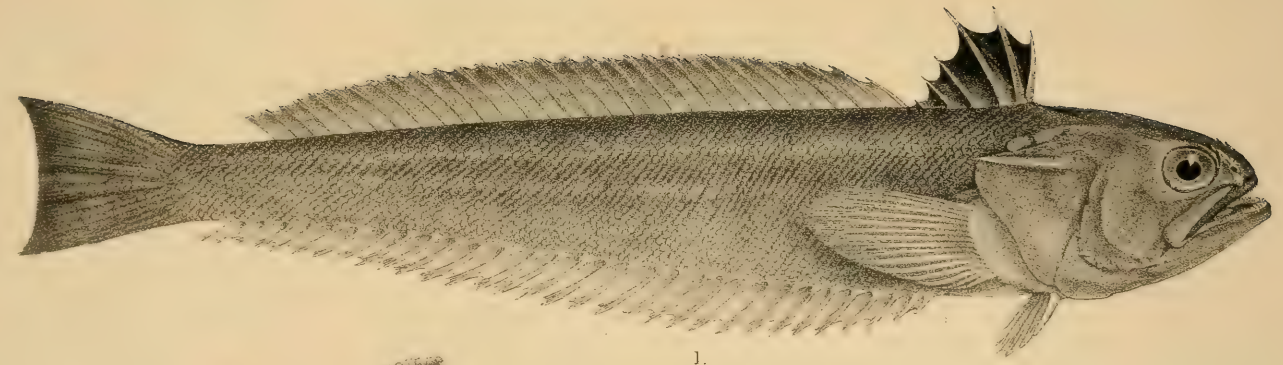
1. AGONUS CATAPHRACTUS.
1a Stomach and cæcal appendages.
2. PERISTETHUS CATAPHRACTUM.
2a. Upper surface of head. 2b. Section through body. 2c. Stomach and cæcal appendages.



F.Day del A.Hammond lith.

Hanhart imp.

LOPHIUS PISCATORIUS.



1.

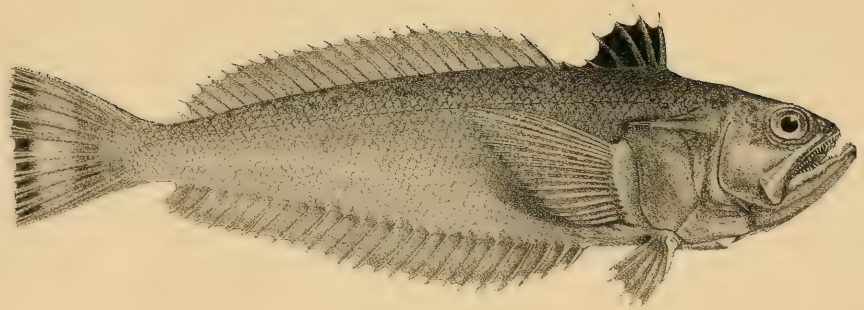
1a.

F.Day del. C.Achilles lith.

Mintern Bros. imp.

1. TRACHINUS DRACO.

1a Stomach and cæcal appendages.



F. Day del. C. Achilles lith.

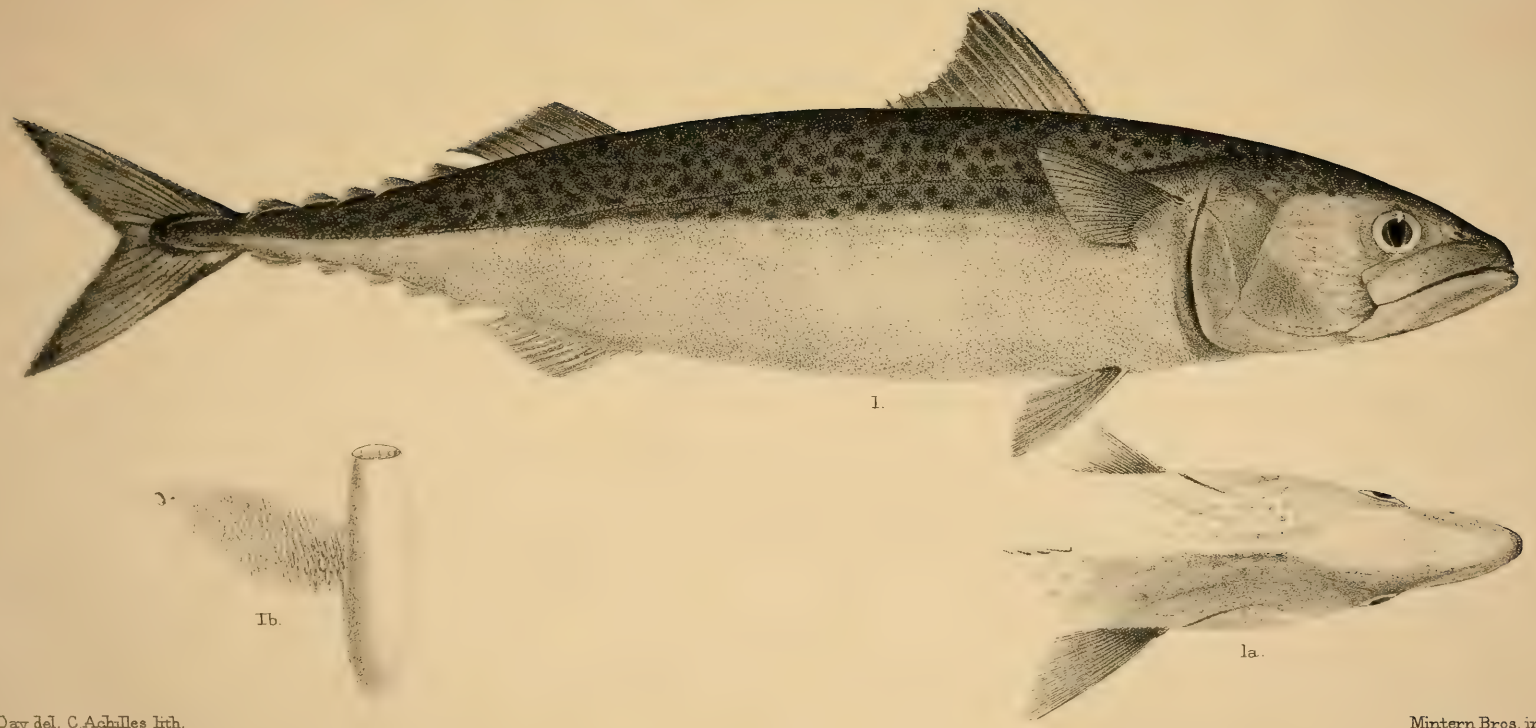
Mintern Bros. imp.

TRACHINUS VIPERA.

F Day del. C Achilles lith.

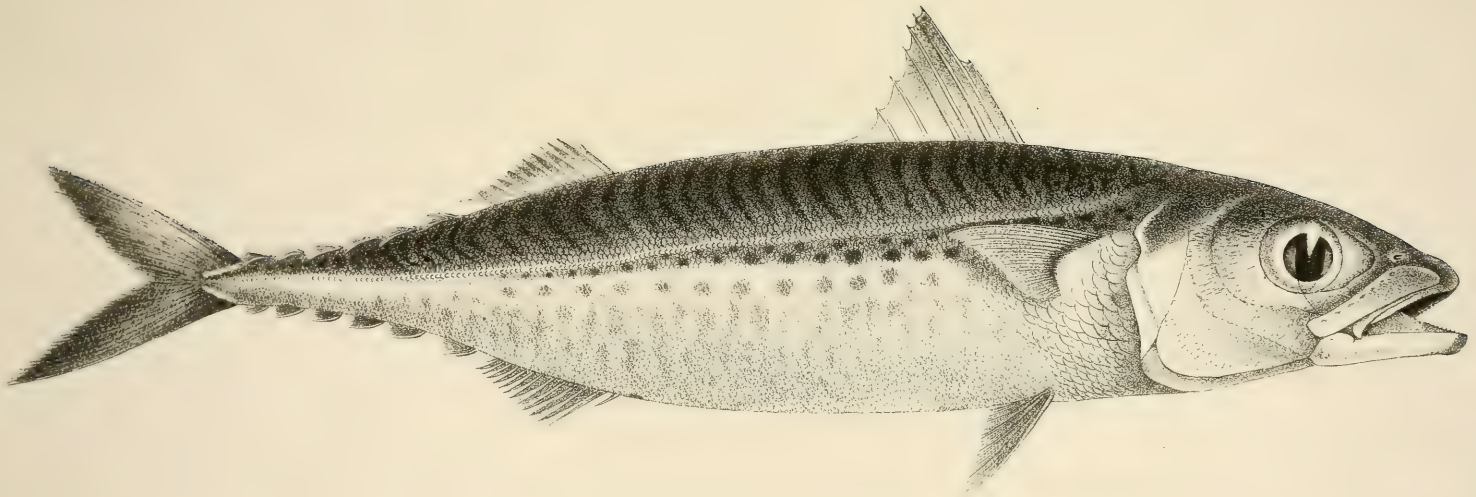
Mintern Bros. imp

SCOMBER SCOMBER.



F Day del. C Achilles lith. Mintern Bros. imp.

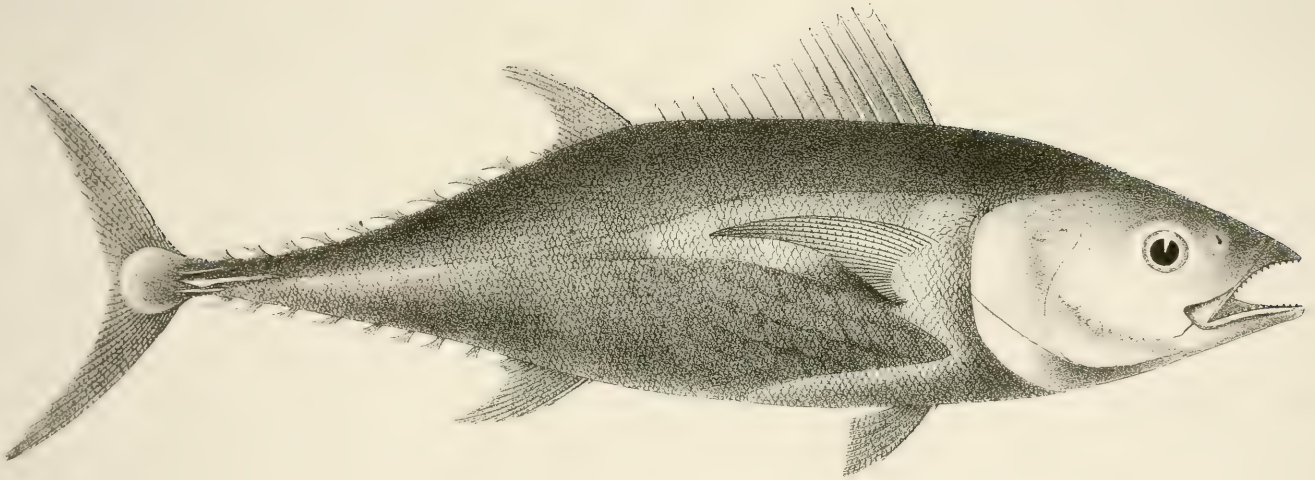
1. SCOMBER SCOMBER (*var.* S. PUNCTATUS.)
1a. Upper surface of head. 1b. Stomach and cæcal appendages.



F.Day del. A.Hammond lith.

Hanhart imp.

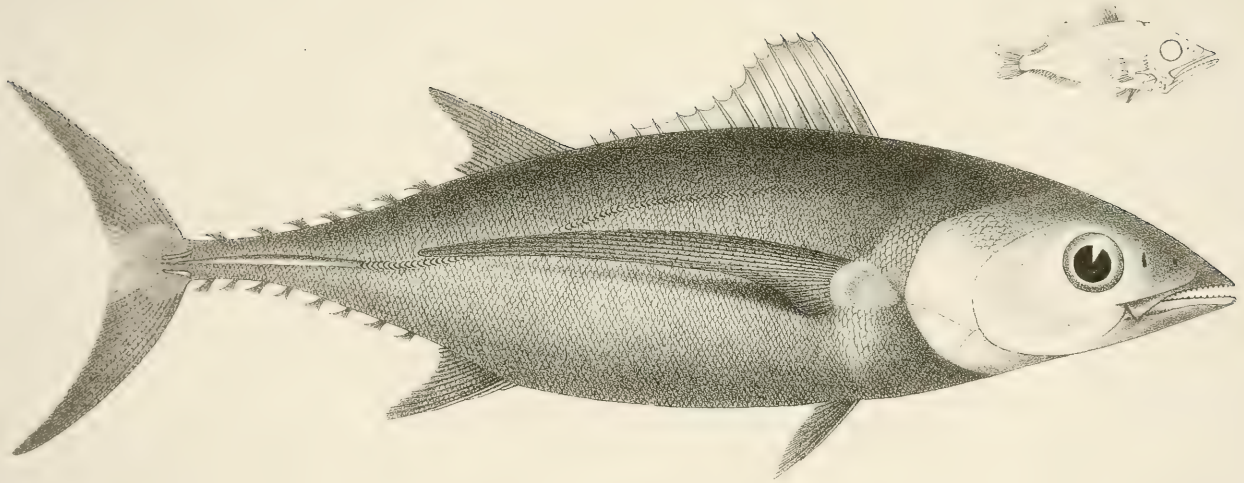
SCOMBER COLIAS.



F.Day del A.Hammond lith.

Hanhart imp

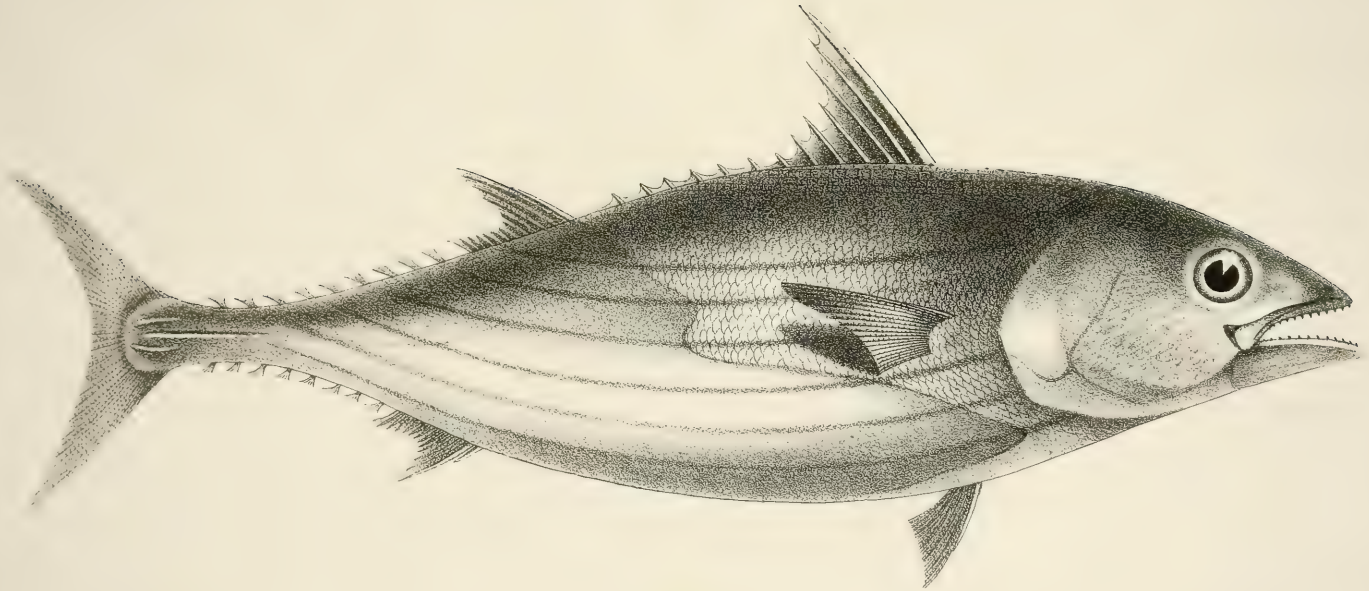
ORCYNUS THYNNUS.



F.Day del. A.Hammond lith.

Hanhart imp

ORCYNUS GERMO.



F.Day del.A.Hammond lith.

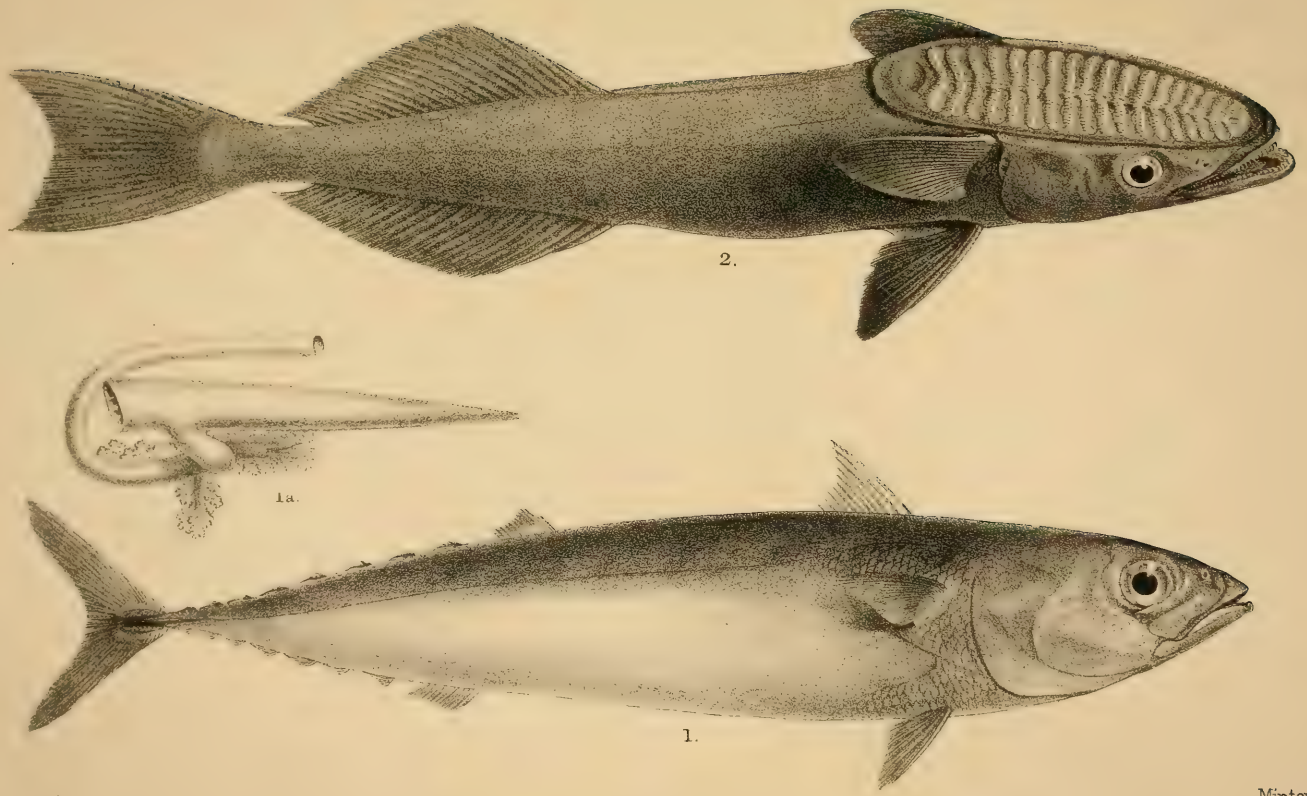
Hanhart imp.

THYNNUS PELAMYS.

F. Day del. A. Hammond lith.

Hanhart imp.

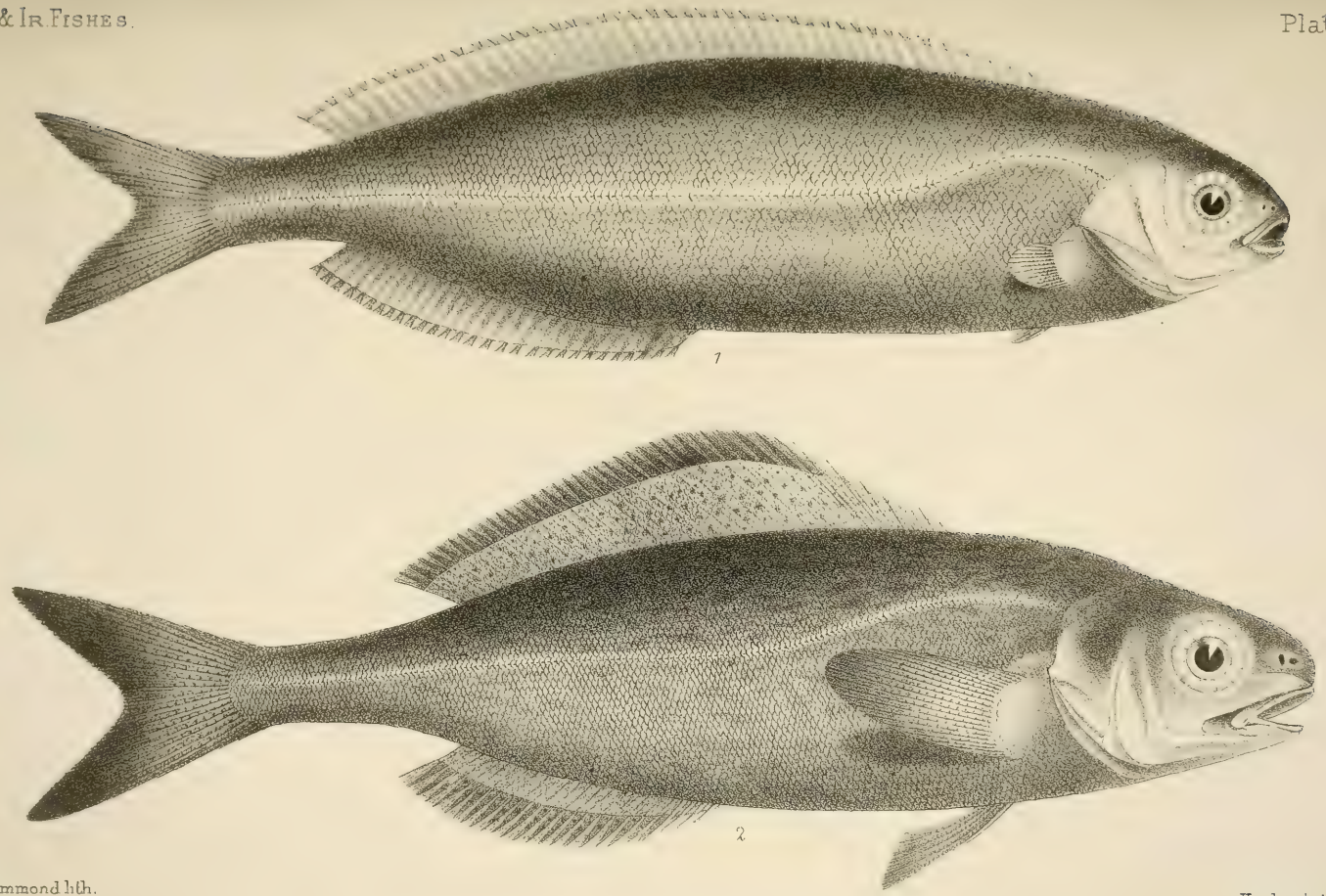
PELAMYS SARDA.



F.Day del. C.Achilles lith.

Mintern Bros. imp.

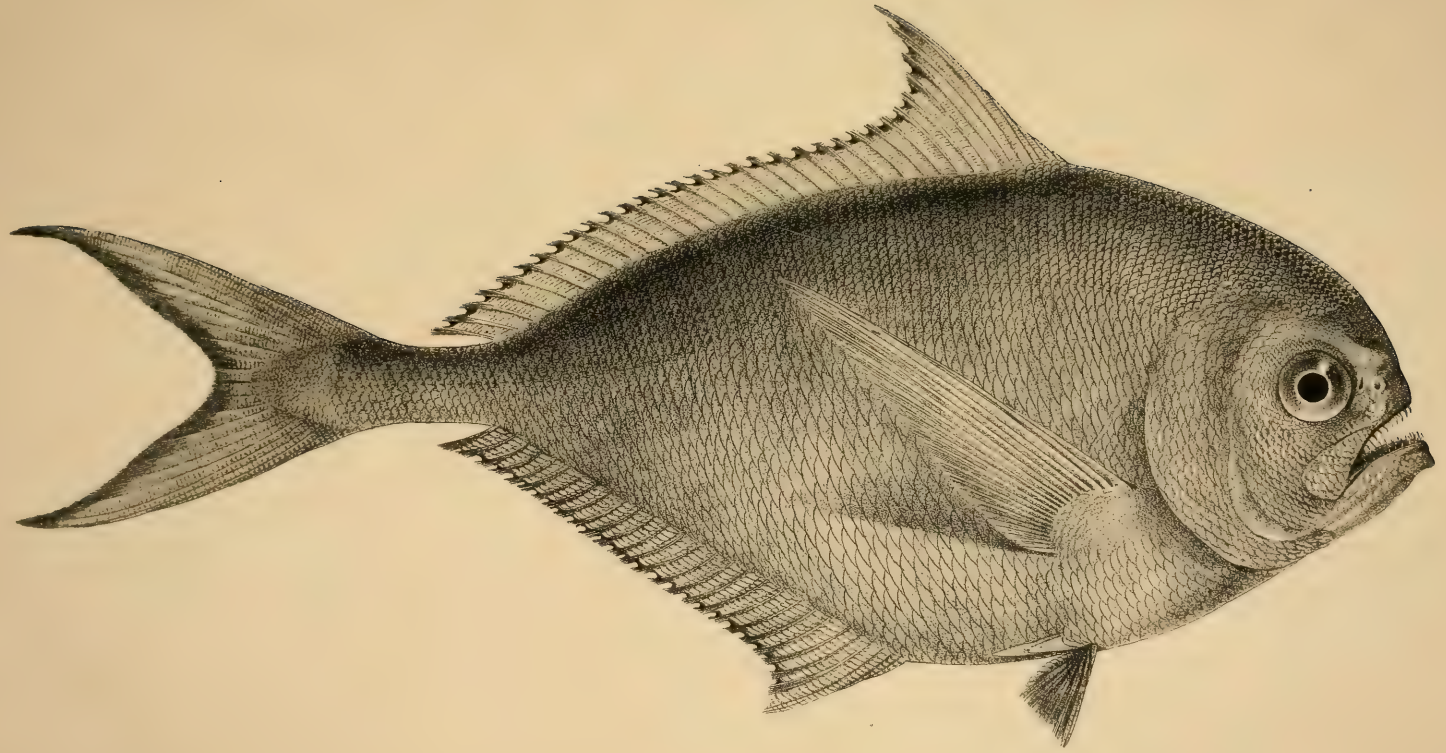
1. AUXIS ROCHEI. 1a. Stomach and cæcal appendages. 2. ECHENEIS REMORA.



Day del. A Hammond lith.

Hanhart imp

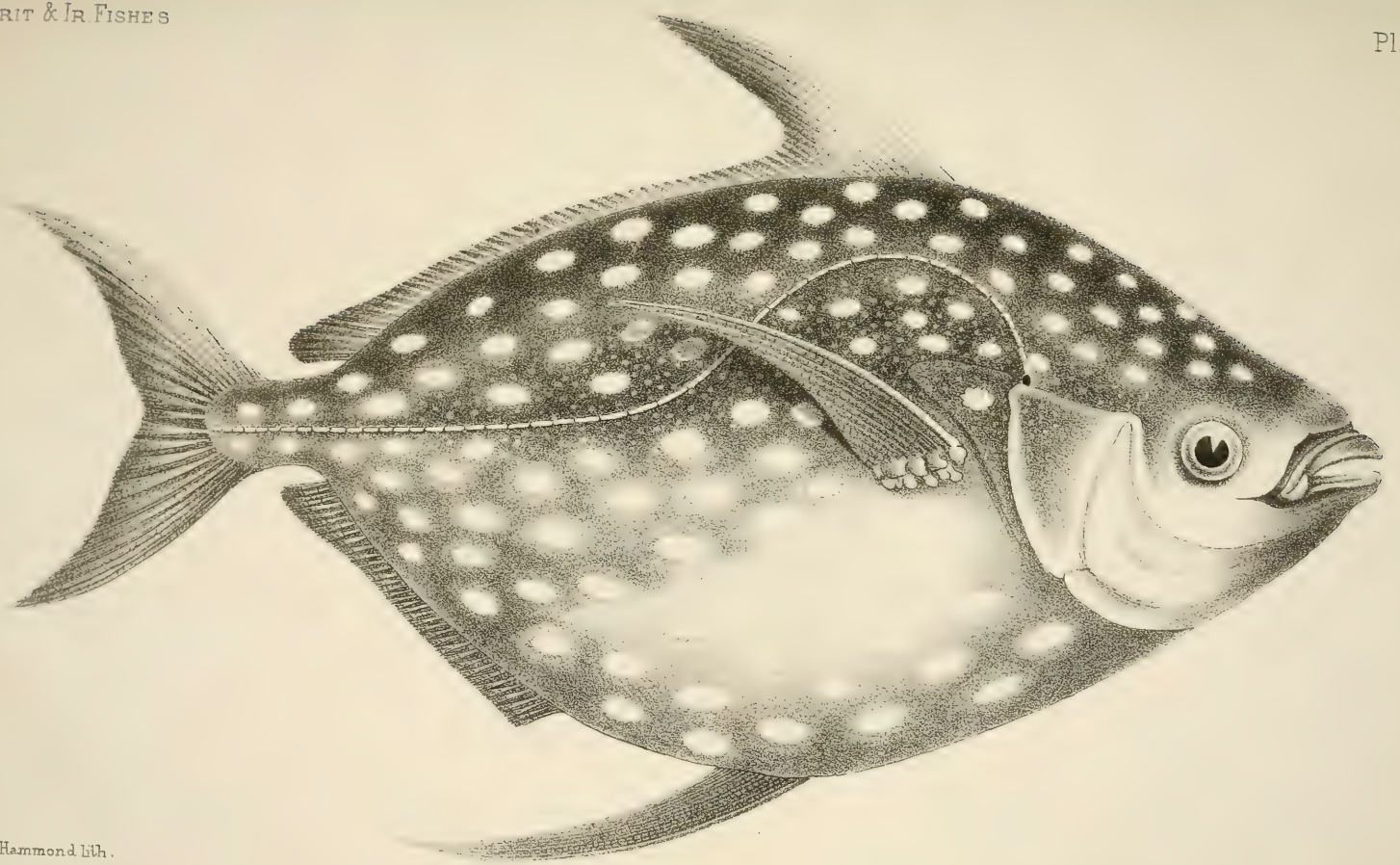
CENTROLOPHUS BRITANICUS 2 C POMPILUS



F. Day del. C. Achilles lith.

Mintern Bros. imp.

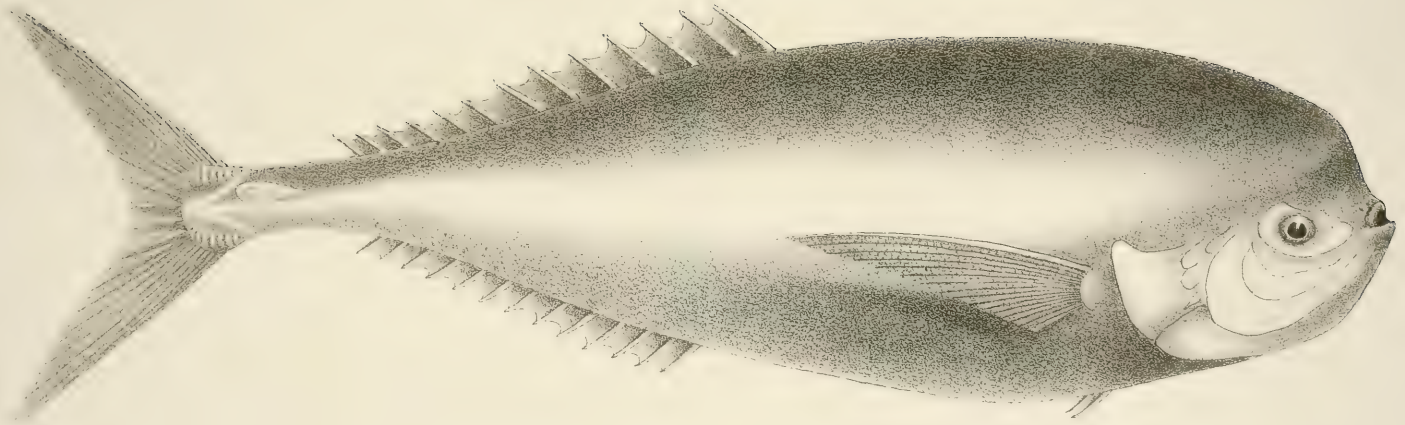
BRAMA RAYII.



Day del. A Hammond lith.

Hanhart imp.

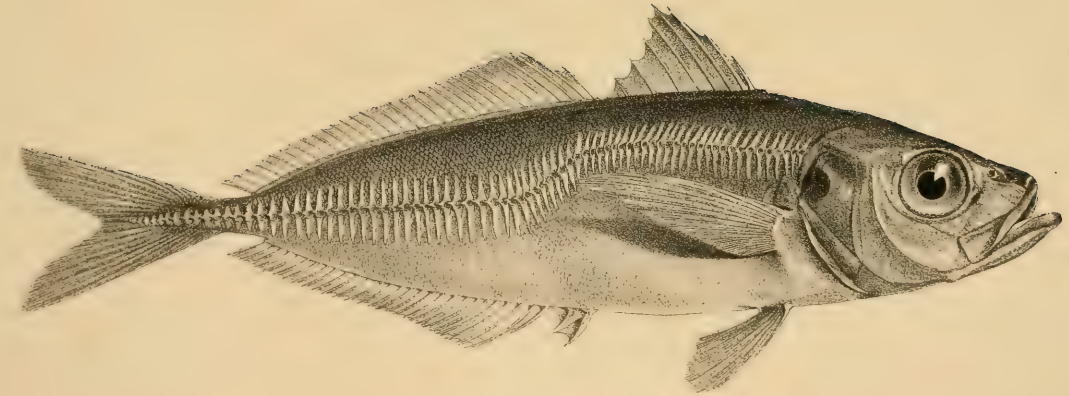
LAMPRIS LUNA



Day del. A Hammond lith.

Hanhart imp.

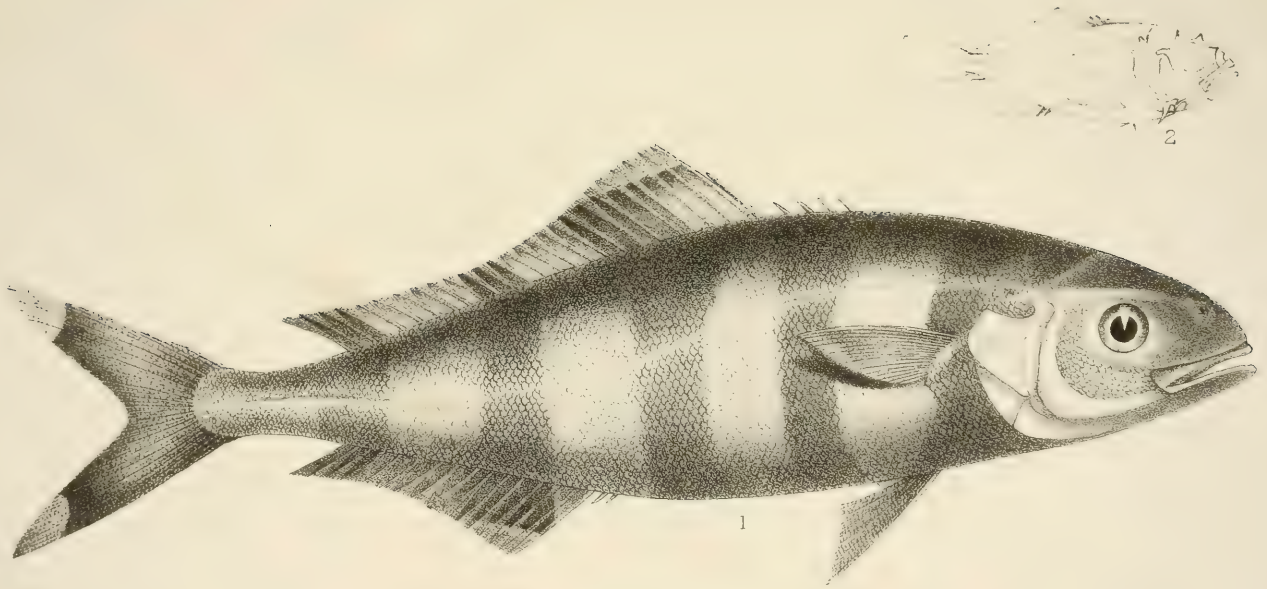
LUVARUS IMPERIALIS



F.Day del C.Achilles lith

Mintern Bros imp

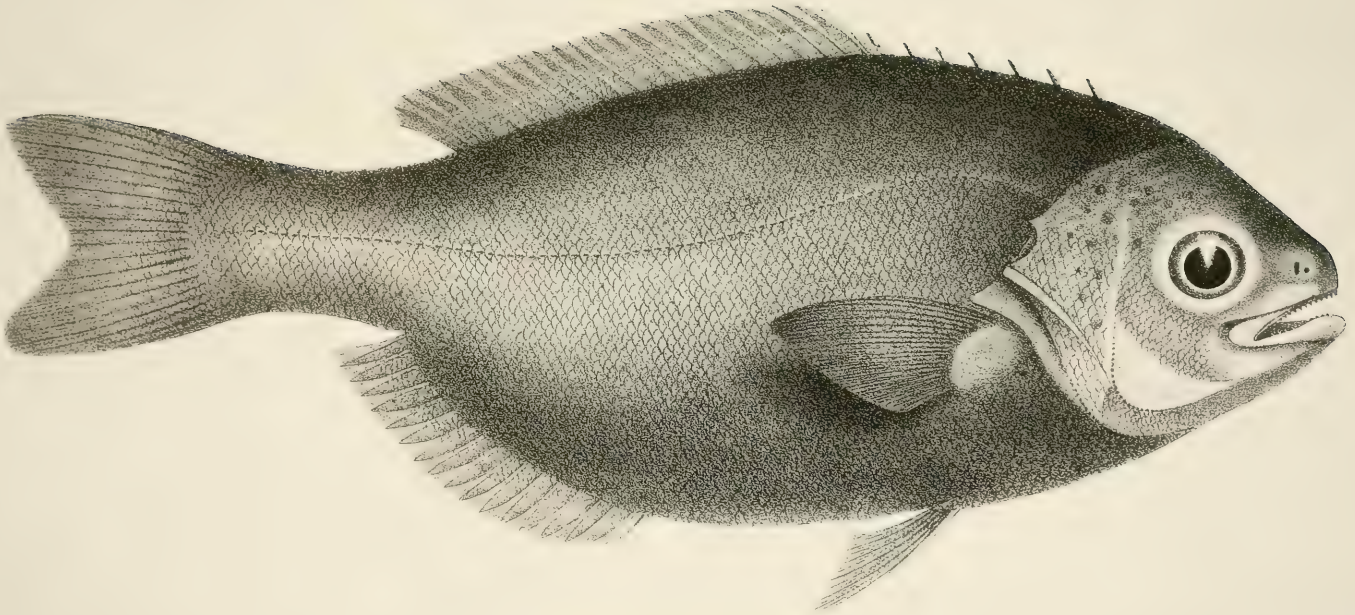
CARANX TRACHURUS.



F.Day del.A.Hammond lith.

Hanhart imp

1 NAUCRATES DUCTOR 2 YOUNG ¾.



F.Day del. & Hammond Lith

Hanhart imp

FAMMELAS PERCIFORMIS

F Day del. C Achilles lith.

Mintern Bros. imp.

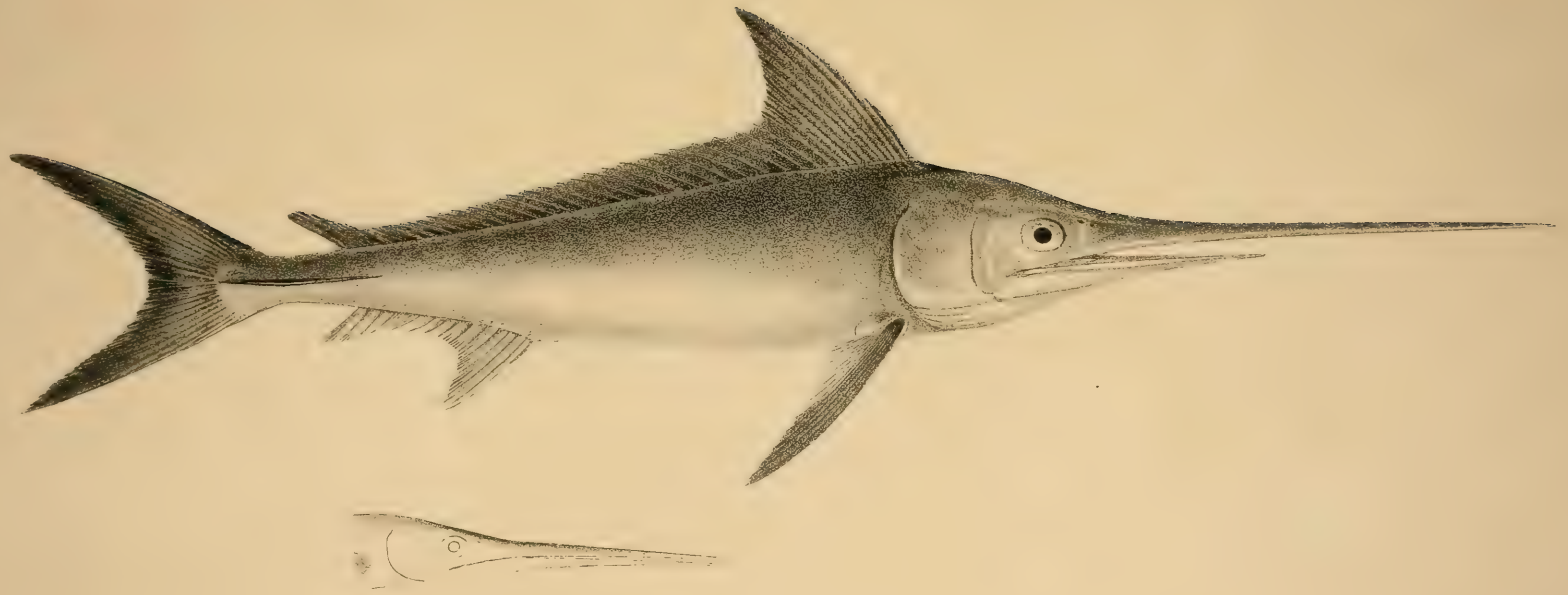
1. LICHIA GLAUCA. 2 CAPROS APER.

2a. Stomach and cæcal appendages.

F.Day del. C.Achilles lith.

Mintern Bros imp.

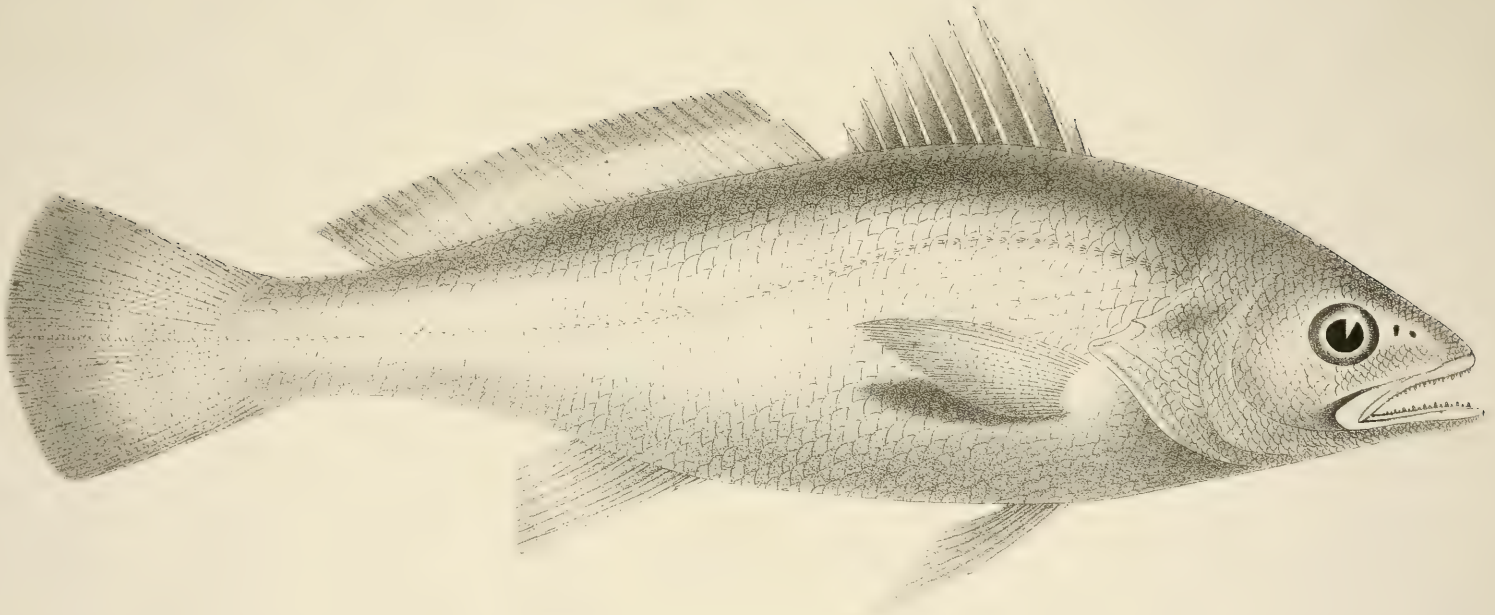
ZEUS FABER.



F. Day del. C. Achilles lith.

Mintern Bros. imp.

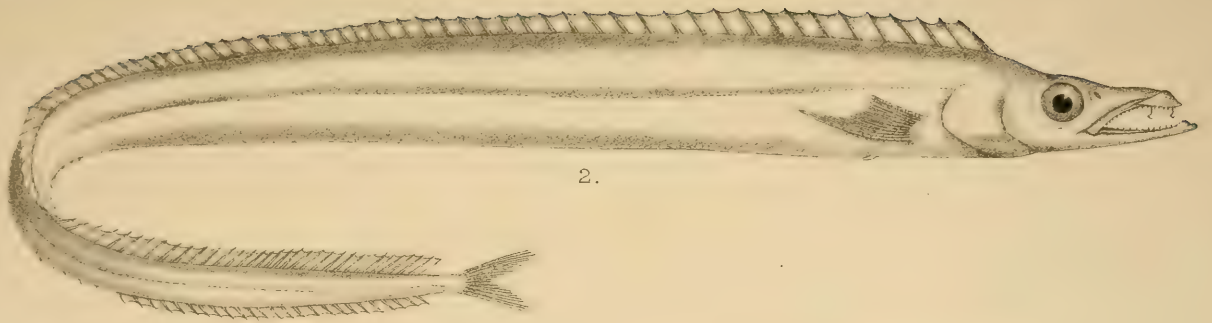
1. XIPHIAS GLADIUS. $\frac{1}{5}$ natural size. 2. (YOUNG) $\frac{1}{2}$ natural size.



Day del A Hammond lith.

Hanhart imp

SCIÆNA AQUILA.



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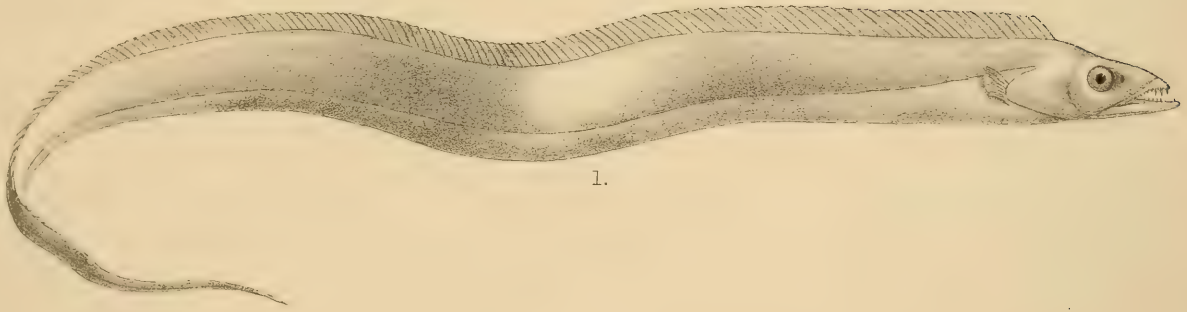
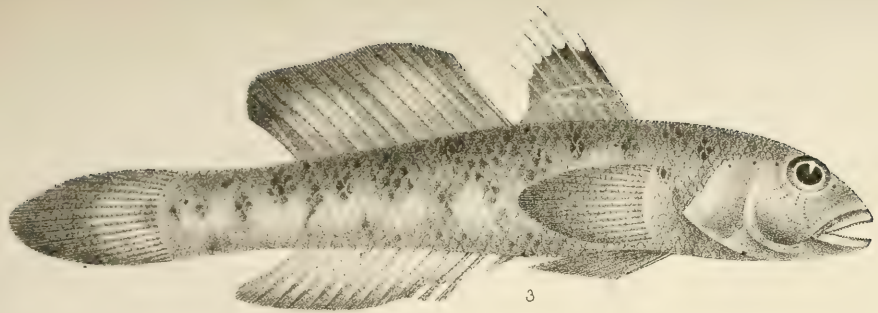


1.

F Day del

Mintern Bros. imp.

1. TRICHIURUS LEPTURUS. 2. LEPIDOPUS CAUDATUS.



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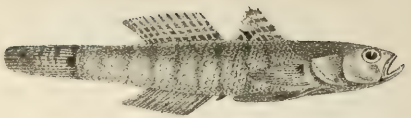
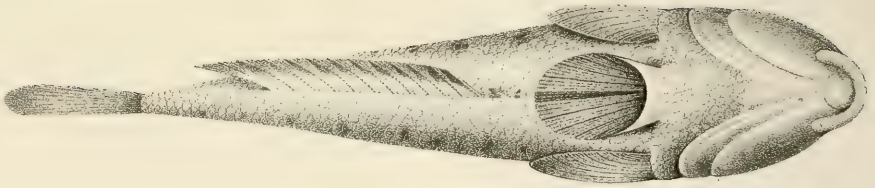
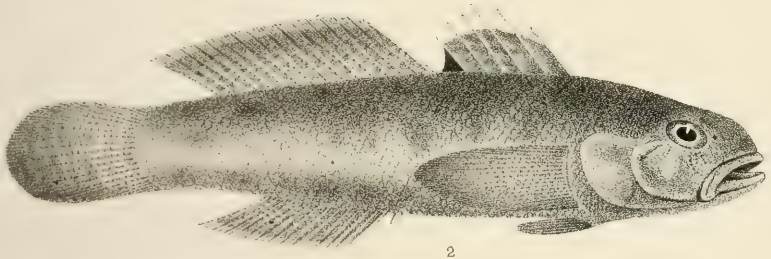


5

1



3a



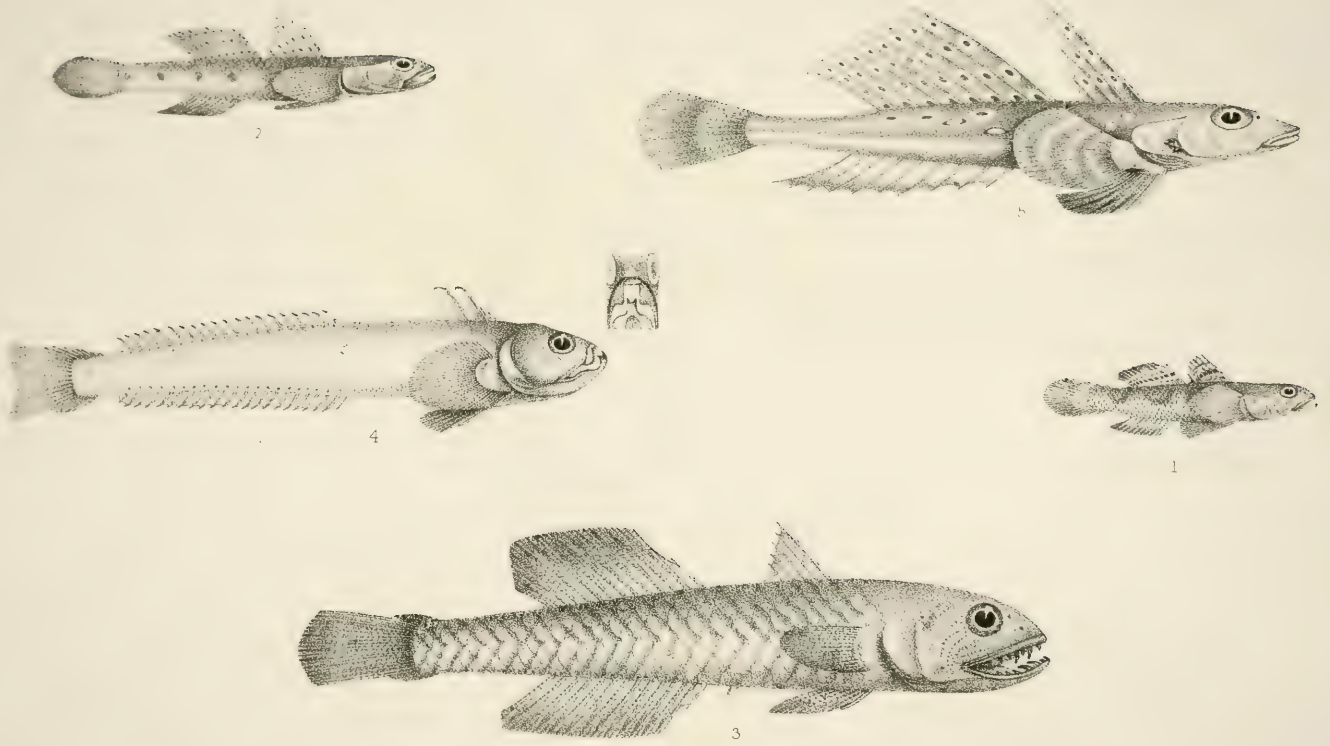
2

4

FDay del A.Hammond lith.

Hanhart imp

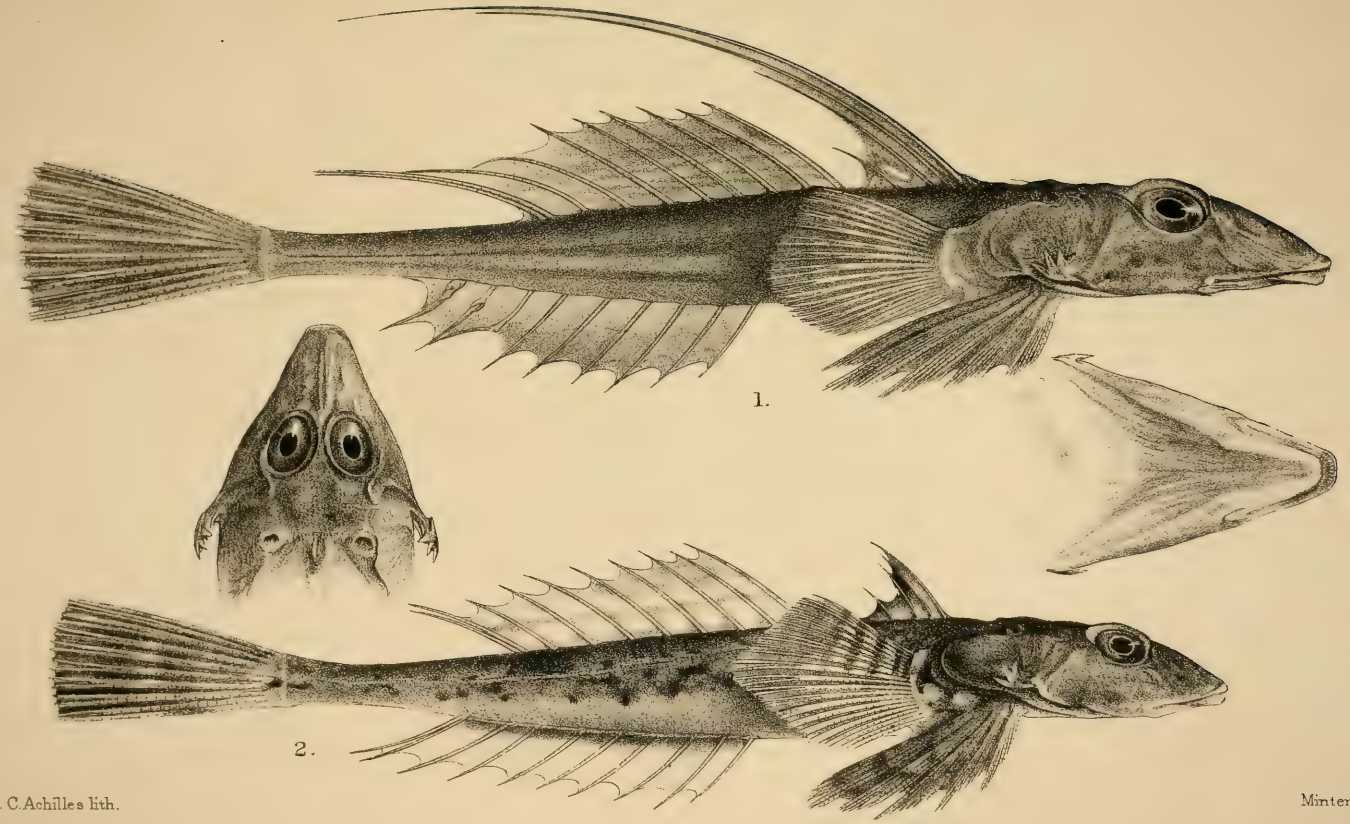
1. GOBIUS RUTHENSPARRI. 2. G. PAGANELLUS. 3. G NIGER.
4 G. MINUTUS 5 G PARNELLI.



F Day del A Hammond lith.

Hanhart imp.

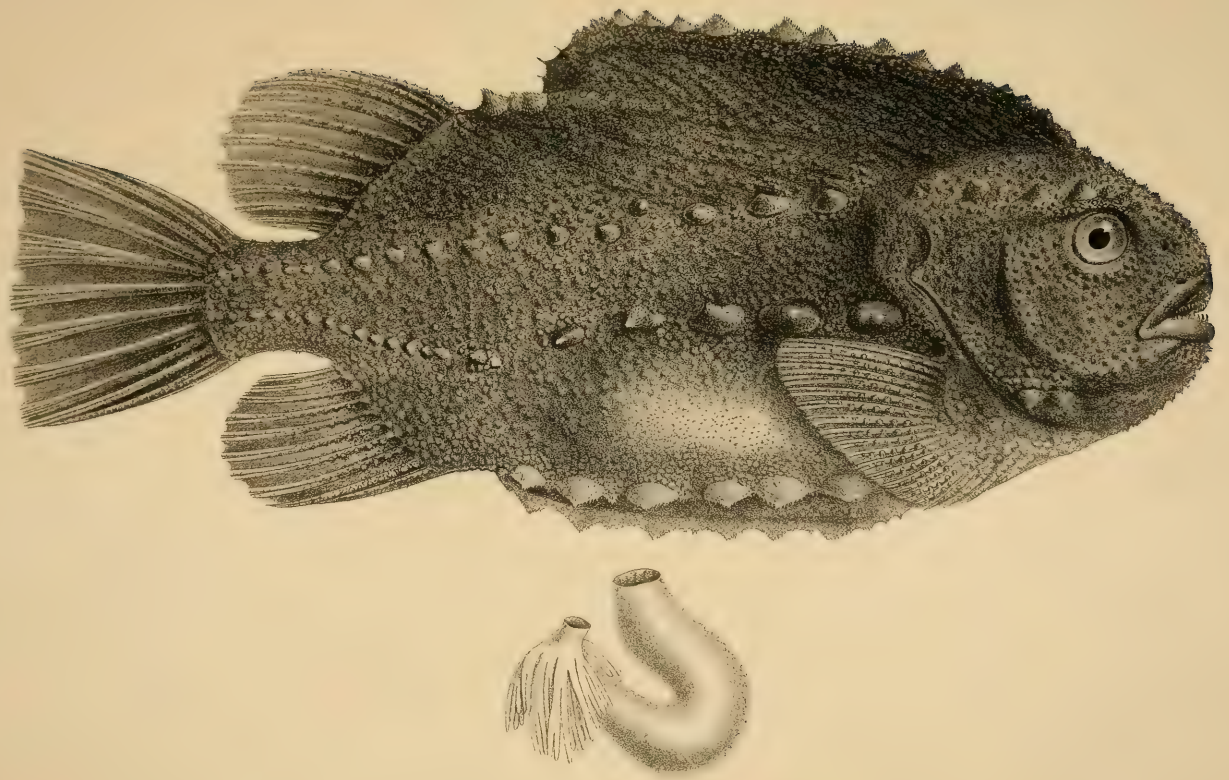
1. GOBIUS PICTUS. 2. G. QUADRIMACULATUS. 3. APHIA PELLUCIDA,
(*Male* ~~2½~~) 4. CRYSTALLOGOBIUS NILSSONII (*Male* ~~2~~). 5. CALLIONYMUS MACULATUS.



F.Day del. C.Achilles lith.

Mintern Bros imp.

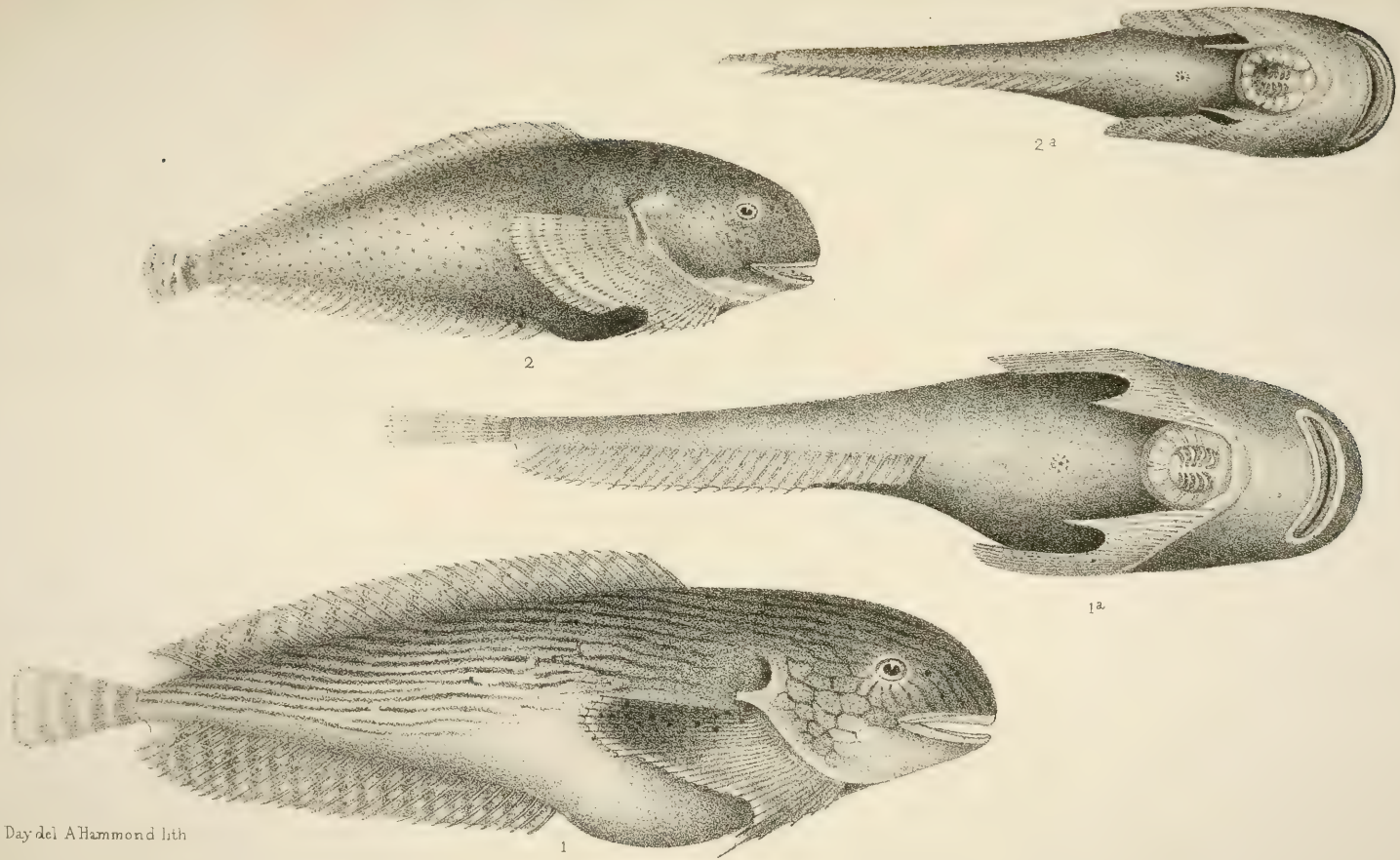
1.CALLIONYMUS LYRA. (MALE.) 2.FEMALE.



F. Day del, C. Achilles lith.

Mintern Bro's imp.

CYCLOPTERUS LUMPUS.

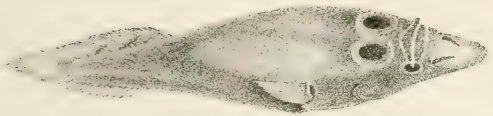


F Day del A Hammond lith

Hanhart imp

1. LIPARIS VULGARIS 2. L. MONTAGUI.

2



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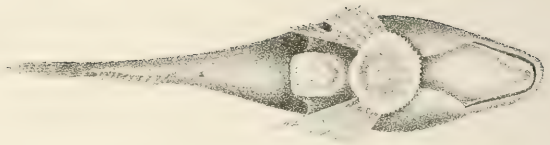
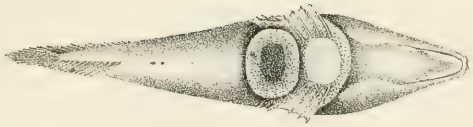


2a



1a

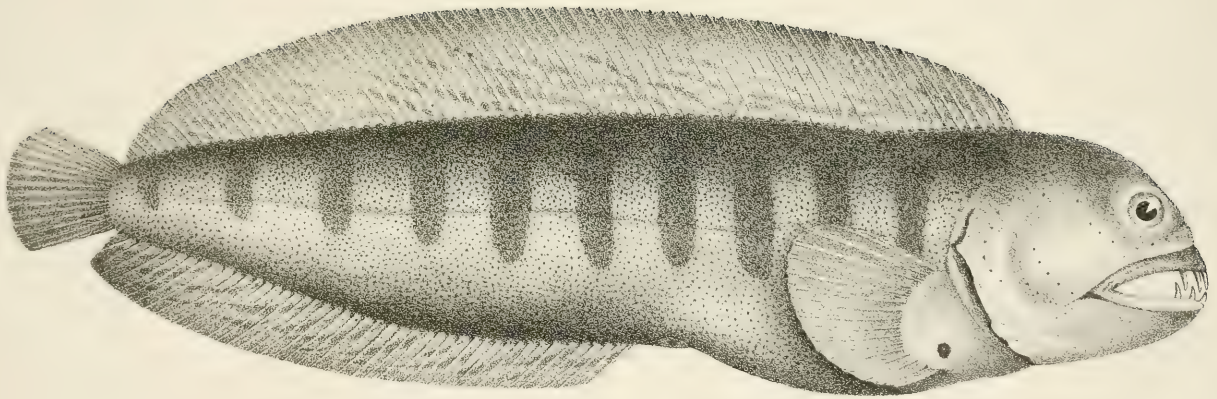
3

3a

F Day del A Hammond lith.

Hanhart imp.

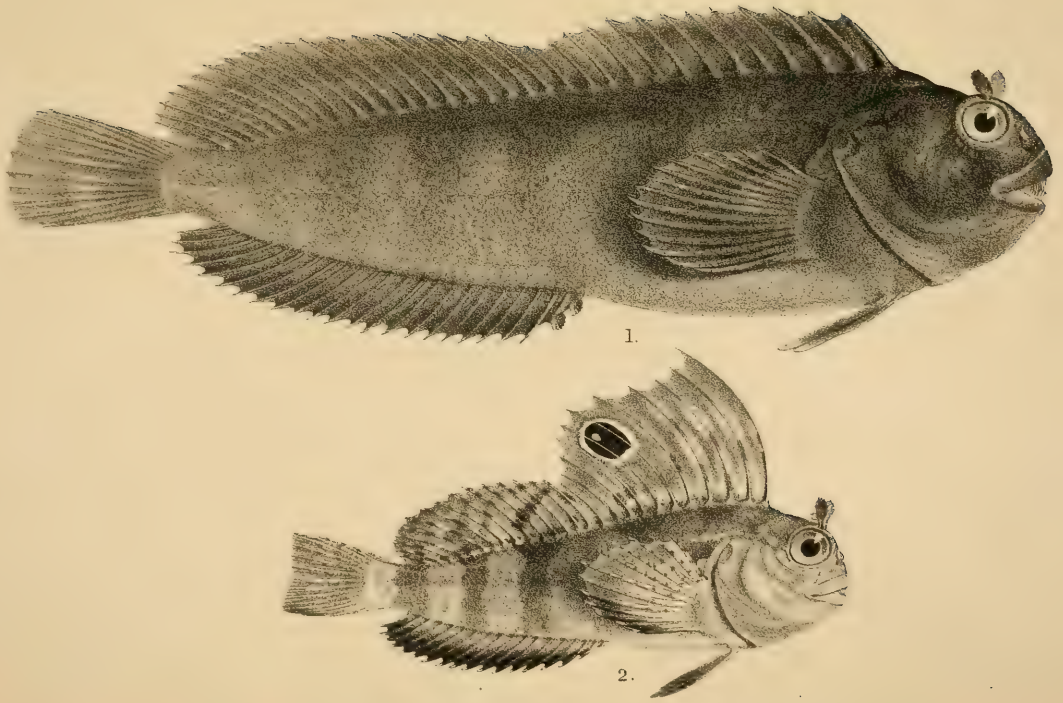
I. LEPADOGASTER GOUANII. 2 L. DECANDOLII. 3. L. BIMACULATUS. (2/1)



F.Day del. A.Hammond. lith.

Hanhard. imp.

ANARRHICHAS LUPUS.

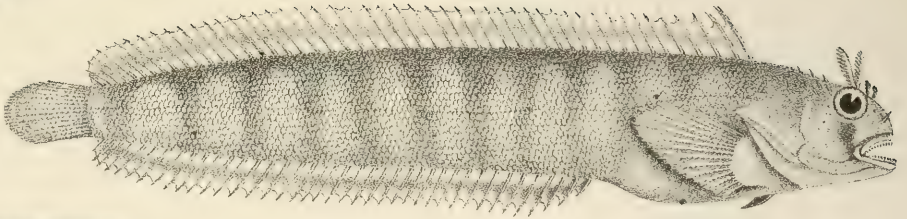


F Day del. C.Achilles lith.

Mintern Bros imp.

1 BLENNIUS GATTORUGINE. 2. B OCELLARIS.

1



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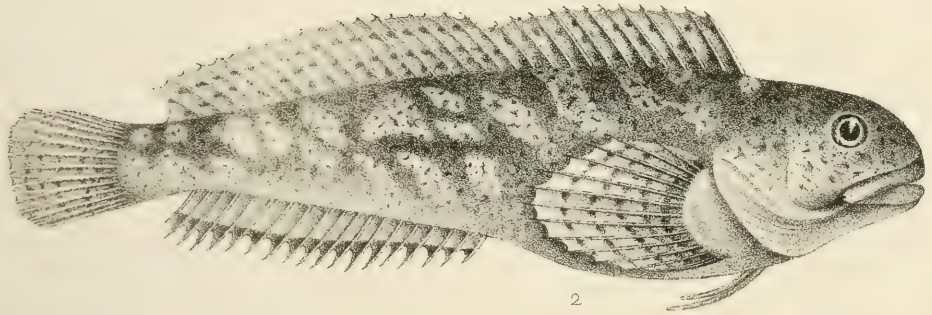
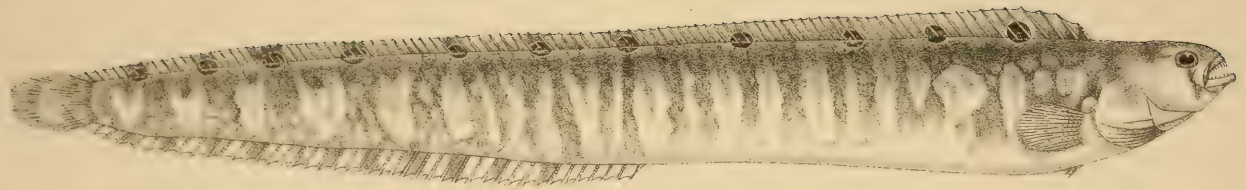


2

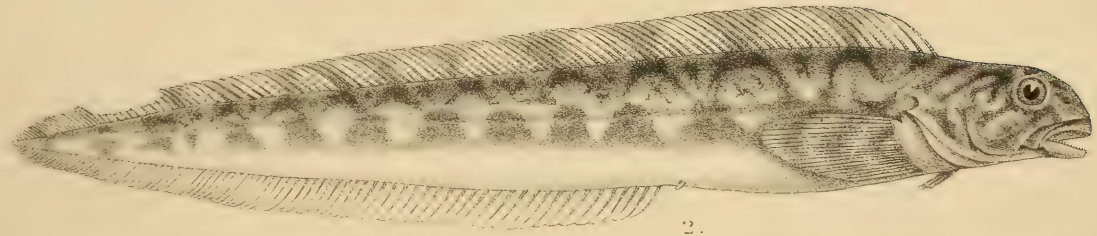
F.Day del A.Hammond lith.

Hanhart. imp.

1.BLENNIUS GALERITA. 2.B.PHOLIS. 3 CARELOPHUS ASCANII.



1.

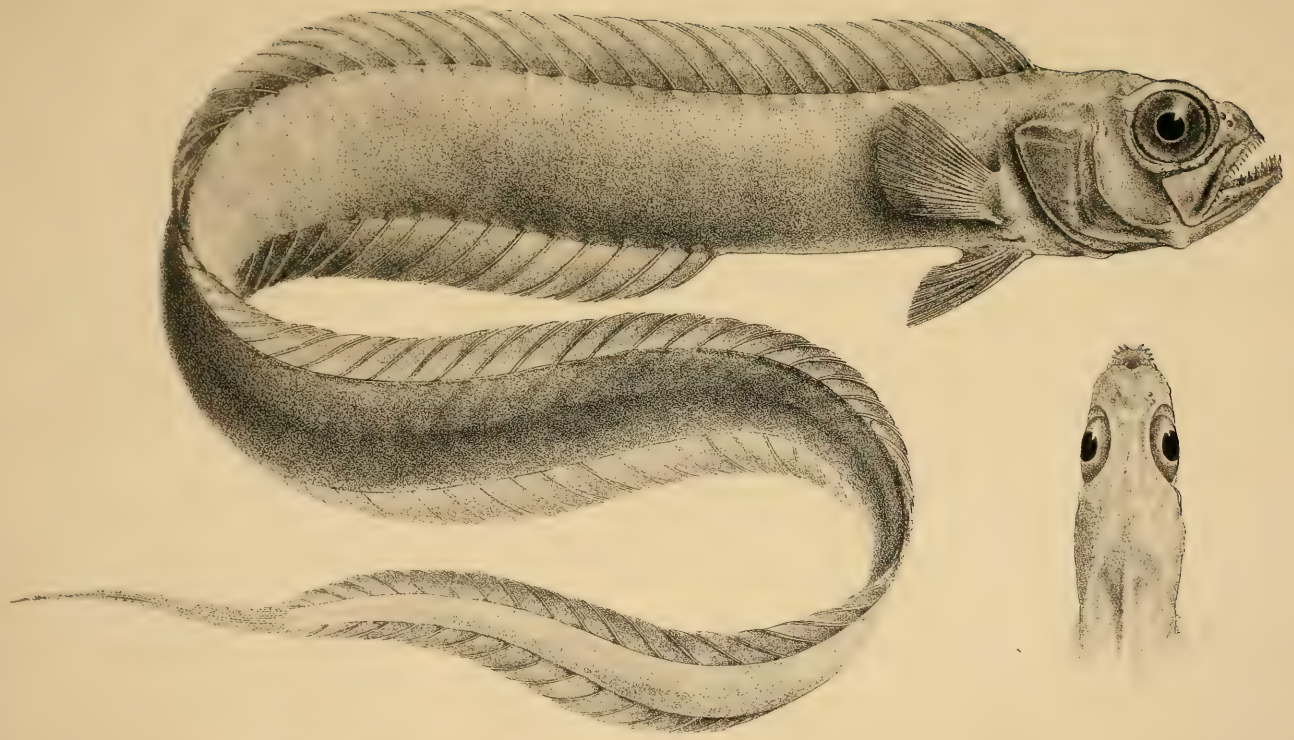


2.

F. Day del.

Mintern Bro's imp.

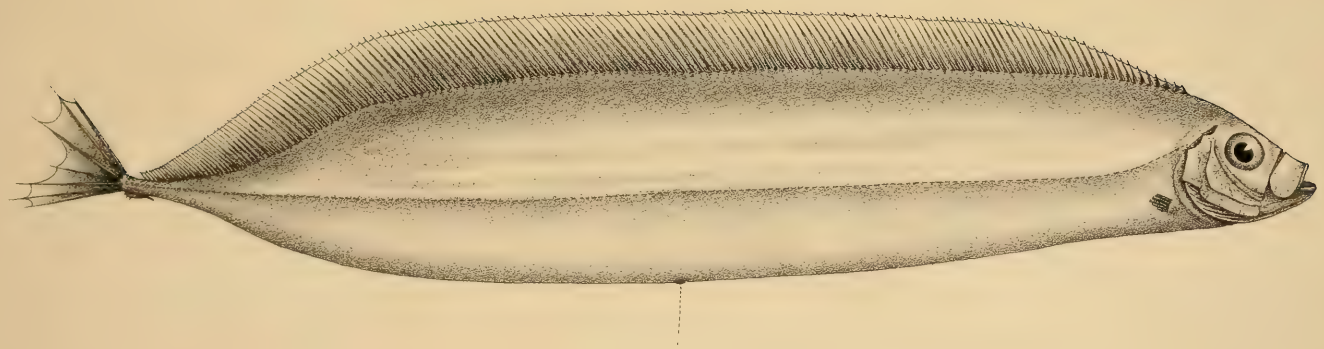
1. CENTRONOTUS GUNNELLUS. 2. ZOARCES VIVIPARUS.



F. Day del, C. Achilles lith.

Mintern Bros imp.

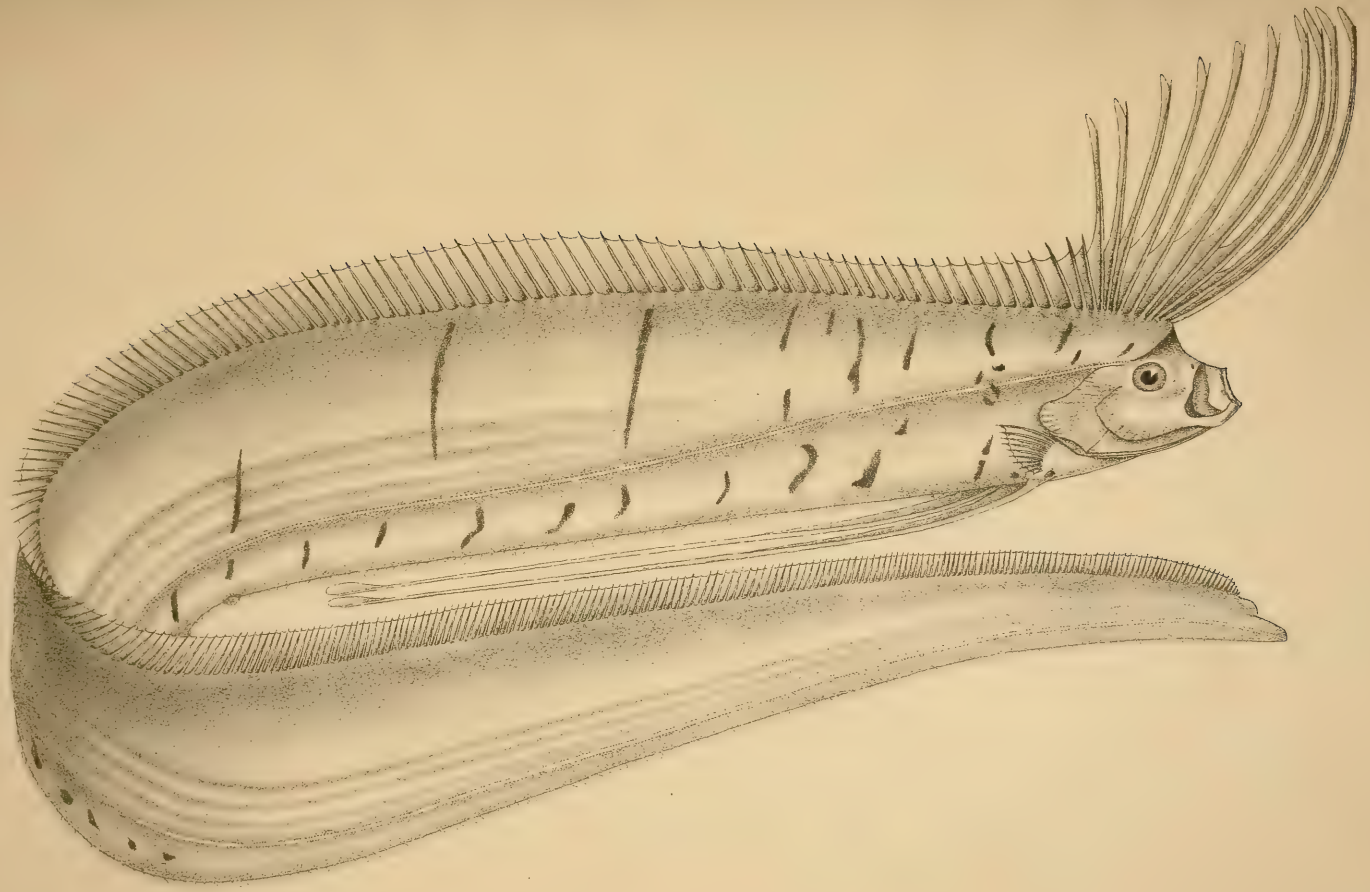
CEPOLA RUBESCENS.



F. Day del.

Mintern Brós imp.

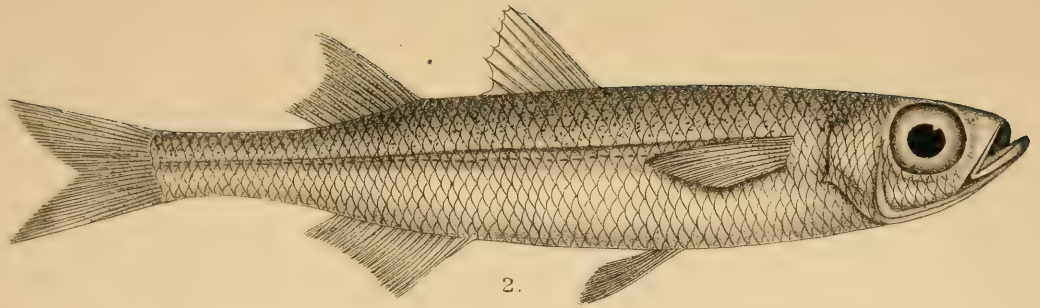
TRACHYPTERUS ARCTICUS.



F. Day del,

Mintern Bros. imp.

REGALECUS BANKSII.



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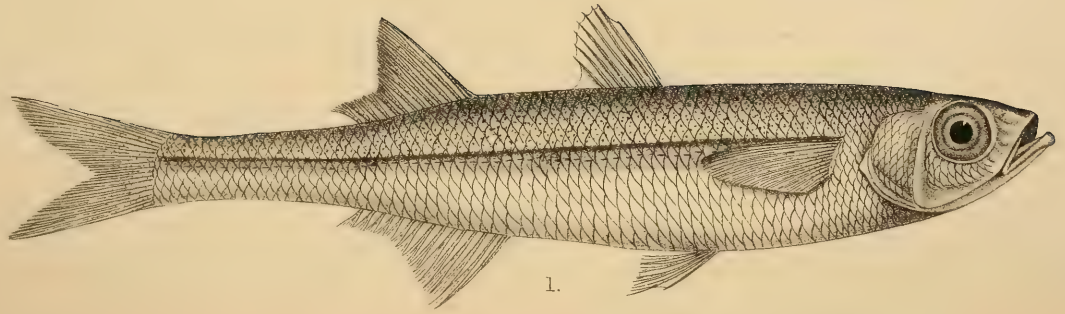
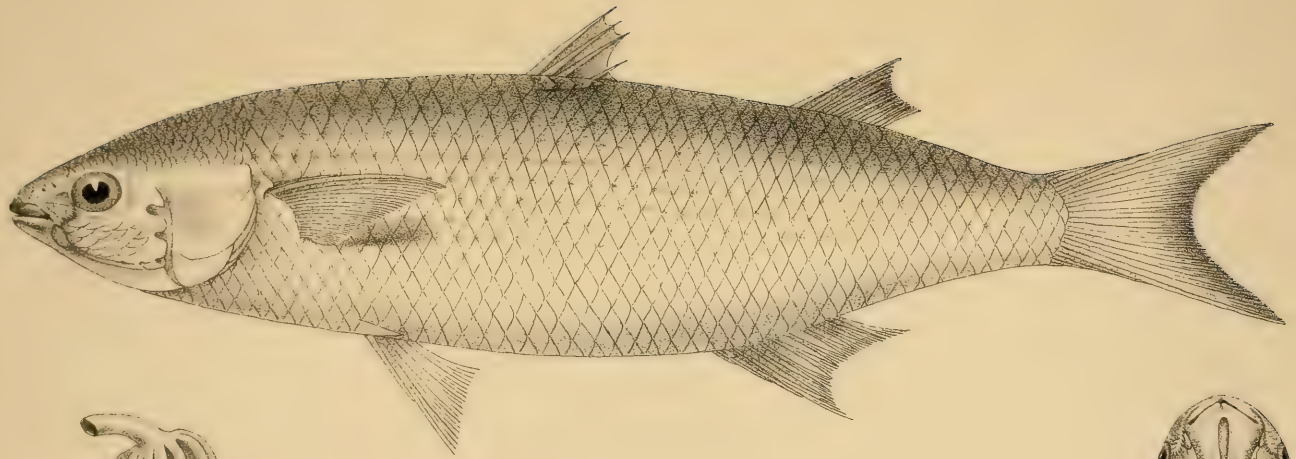


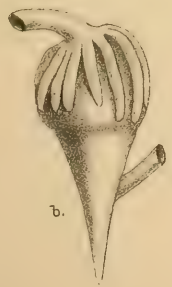
1.

F. Day del.

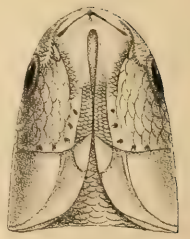
Mintern Bro's imp.

1. ATHERINA PRESBYTER. 2. A. BOYERI.





b.



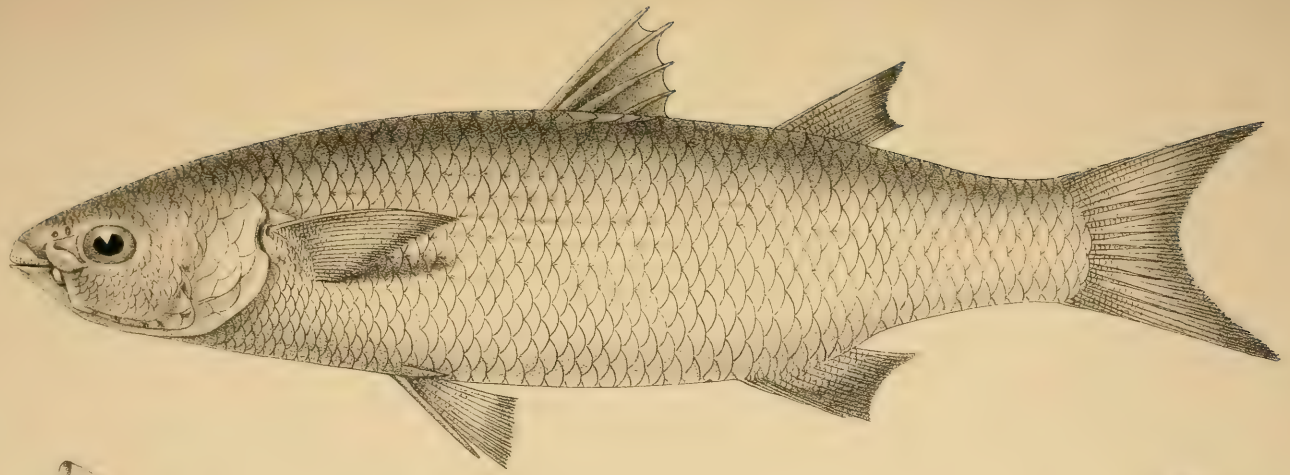
a.

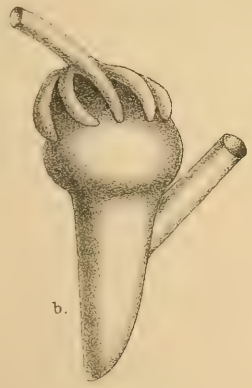
F.Day del.

Mintern Brós imp.

MUGIL CAPITO.

a. Under surface of Head. b. Stomach.





b.

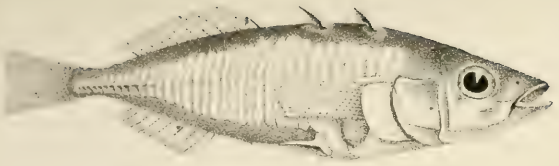
a.

F. Day del.

Mintern Bro's imp.

MUGIL CHELO.

a. Under surface of Head. b. Stomach.



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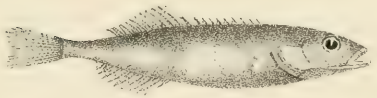

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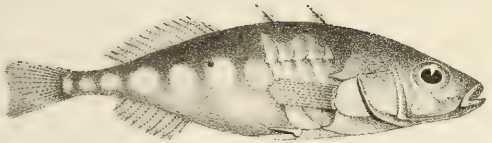
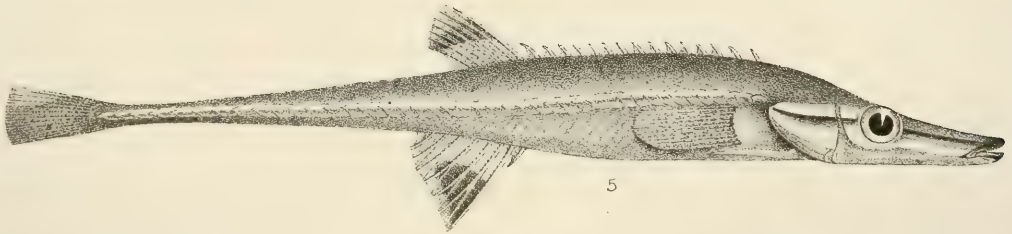


3

2a

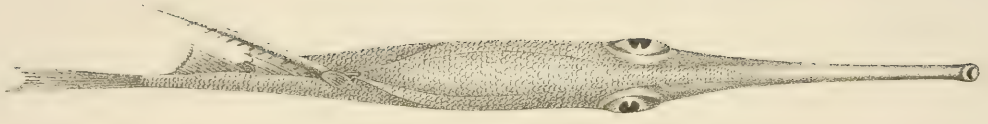


5

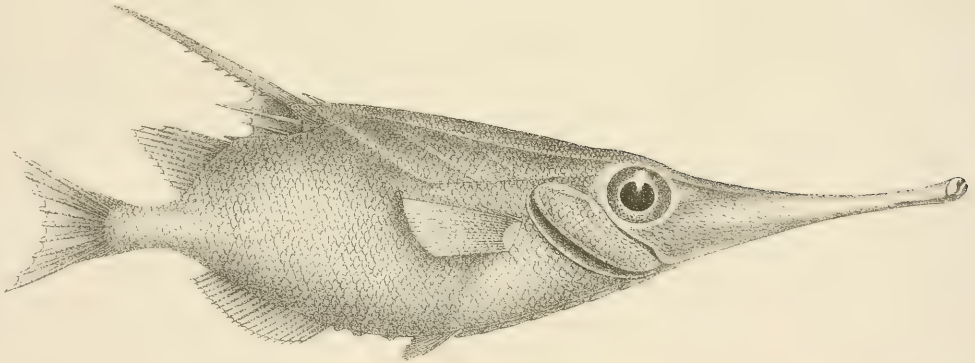
F.Day. del. A.Hammond lith.

Hanhart imp

1. GASTEROSTEUS ACULEATUS,(VARIETY TRACHURUS.) 2. G.ACULEATUS (VARIETY. SEMIARMATUS.) 3. G.ACULEATUS,(VARIETY GYMNURUS.) 4. G.PUNGITIUS,(VARIETY WANTING VENTRAL FINS.) 5. G SPINACHIA



1a

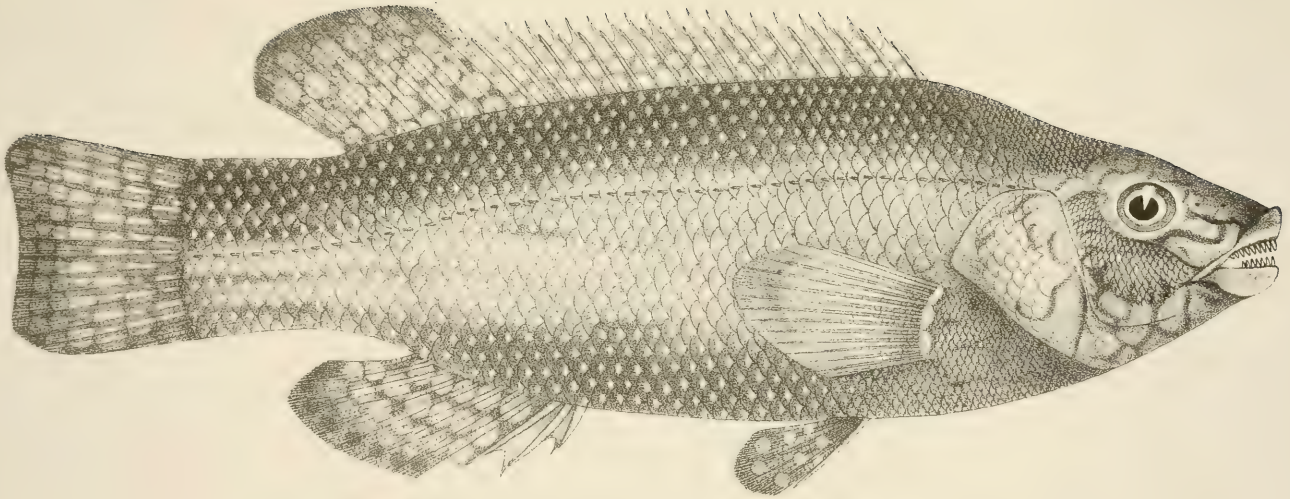


1

F.Day del. A.Hammond lith.

CENTRISCUS SCOLOPAX 1a. UPPER SURFACE.

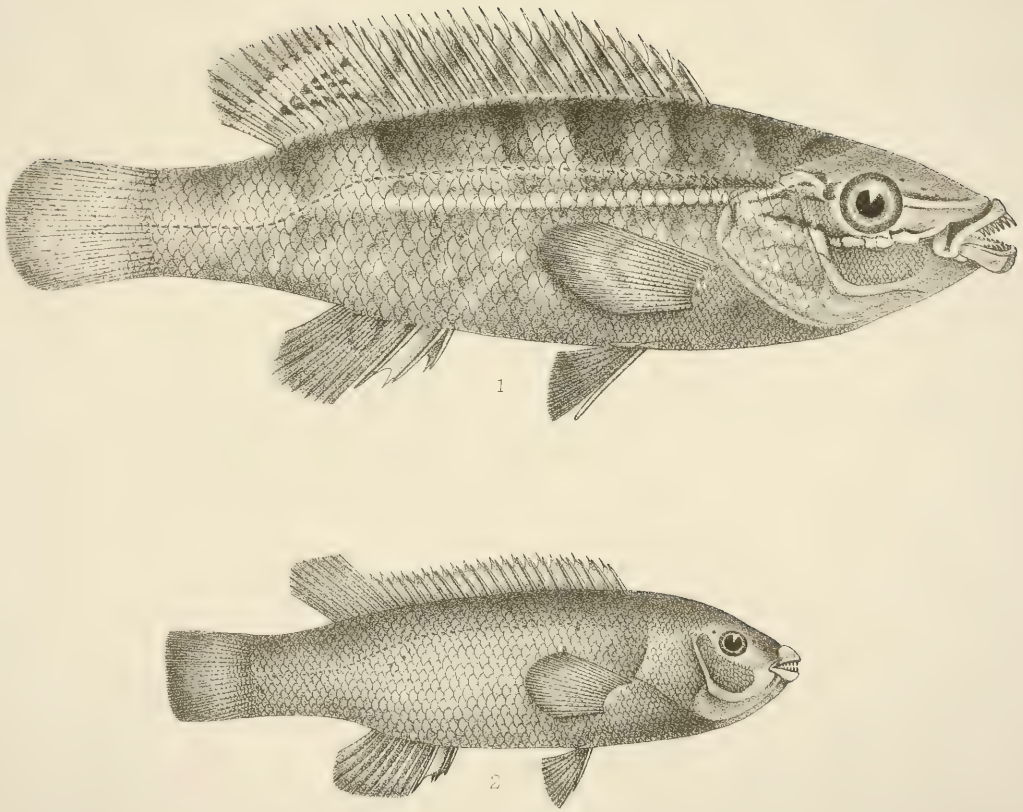
Hanhart imp.



F. Day del. A. Hammond lith.

Hanhart, imp

LABRUS MACULATUS



F.Day del. A.Hammond lith.

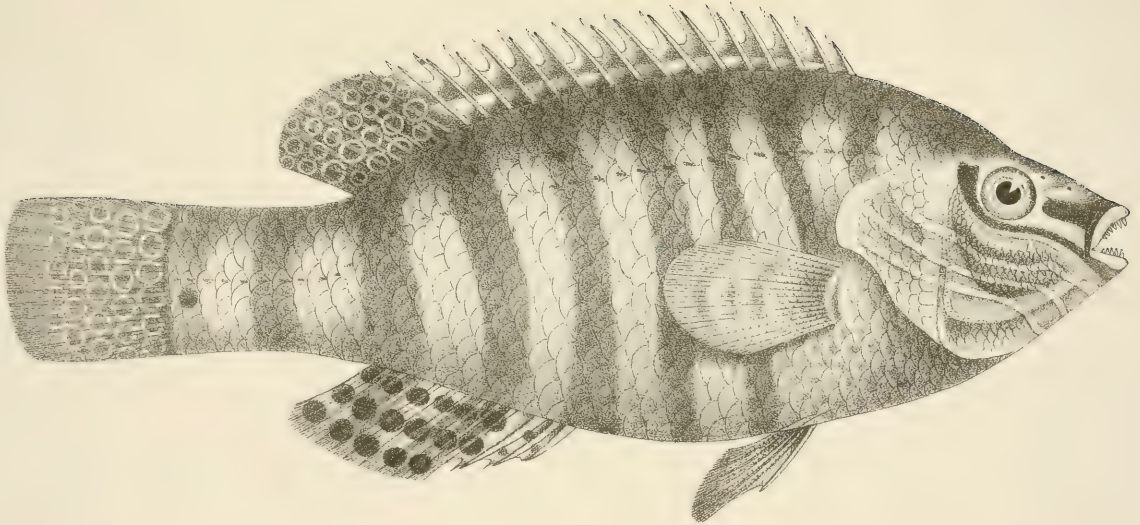
M & N.Hanhart imp.

1. LABRUS MACULATUS (VARIETY DONOVANI.)
2. L. MACULATUS (VAR LINEATUS.)

F.Day del. C.Achilles lith

Mintern Bros. imp

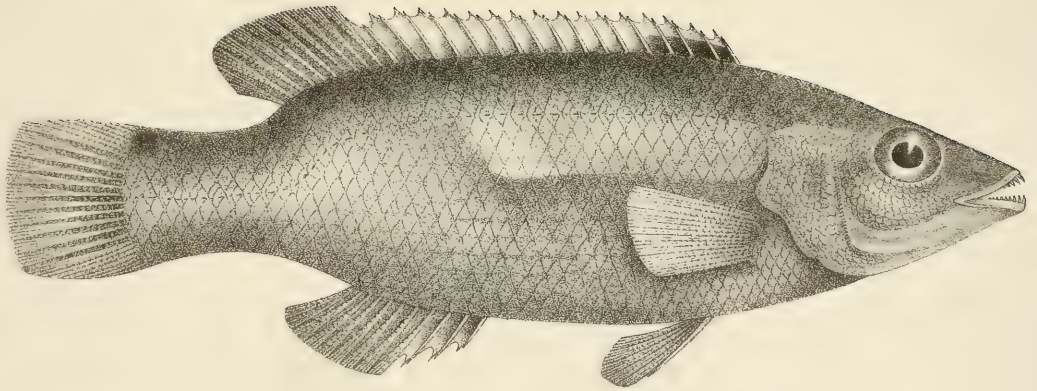
LABRUS MIXTUS. (1. MALE. 2. FEMALE.)
1a. Pharyngeal teeth.



F. Day del. A. Hammond lith.

M & N. Hanhart imp.

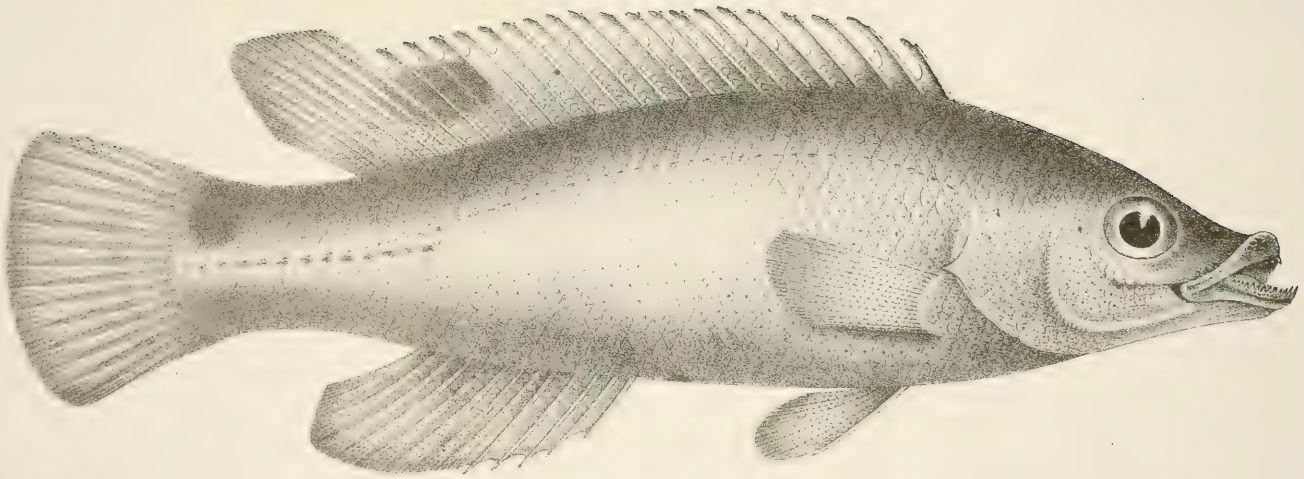
CRENILABRUS MELOPS.



F.Day del. A.Hammond lith.

Hanhart imp.

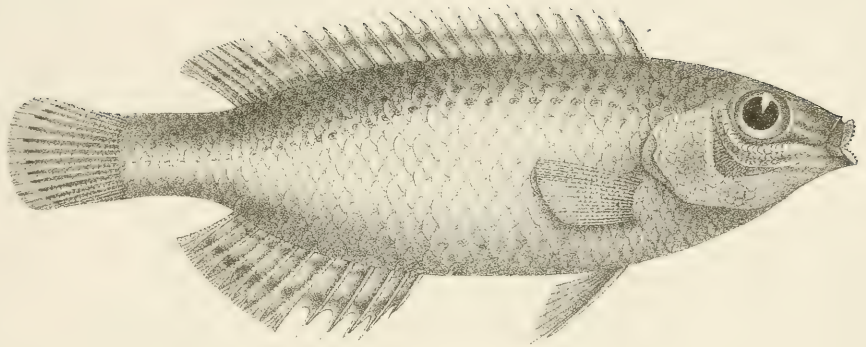
CTENOLABRUS RUPESTRIS.



F Day del. A Hammond lith

Hanhart imp

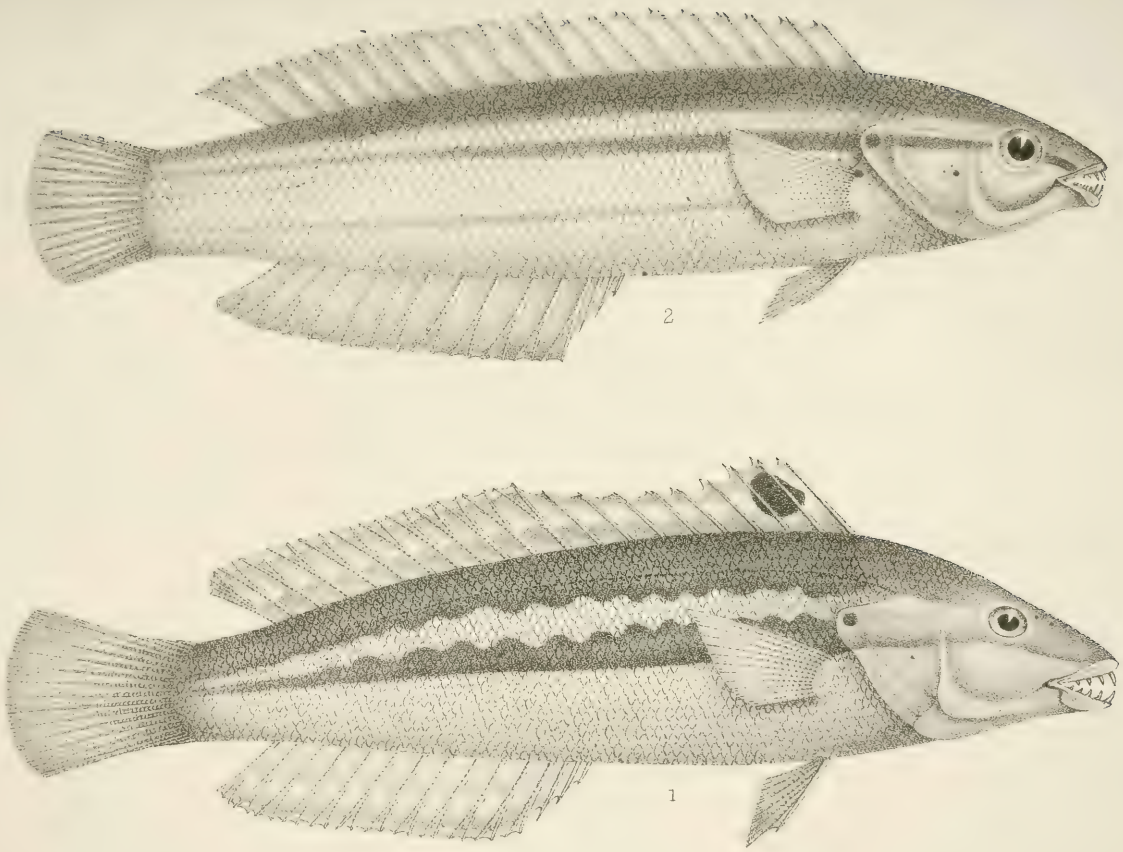
ACANTHOCABRUS PALLONI



F.Day del.A.Hammond lith.

Hanhart imp

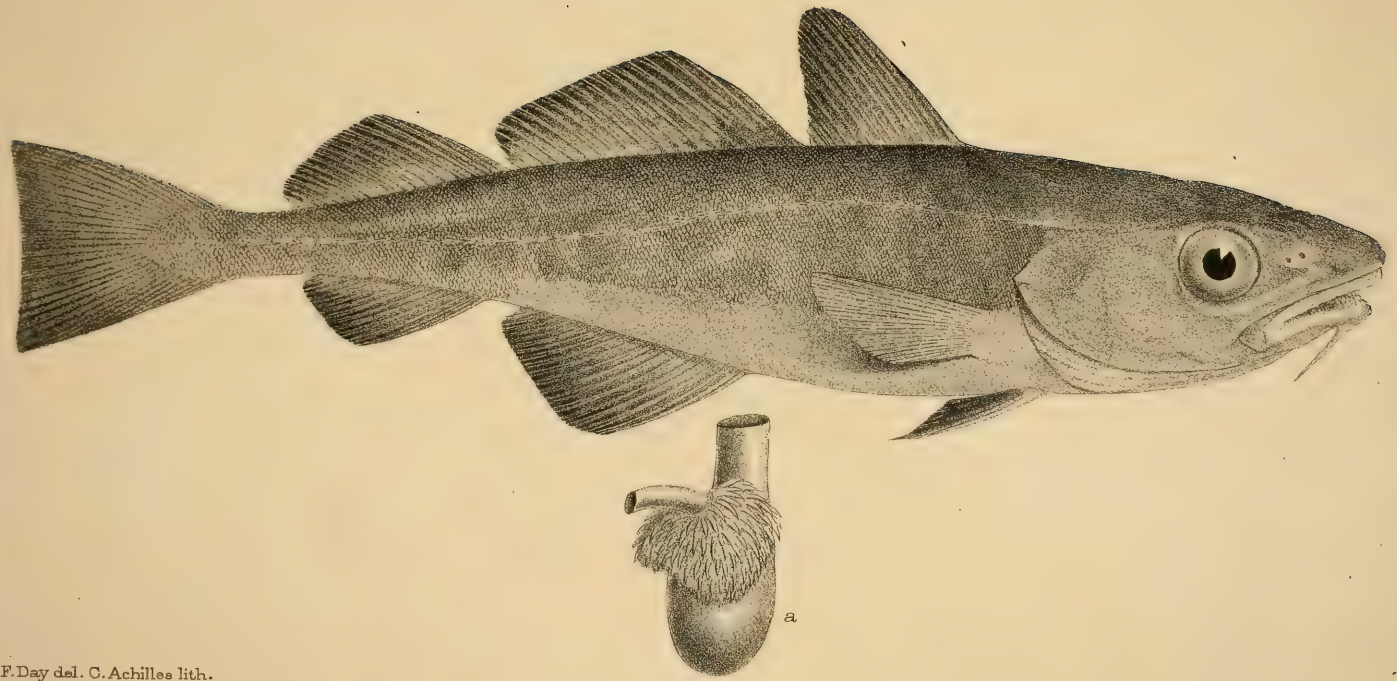
CENTROLABRUS EXOLETUS.



F. Day del. A. Hammond lith.

Hanhart imp.

1. CORIS JULIS (MALE). 2. C. JULIS (FEMALE).

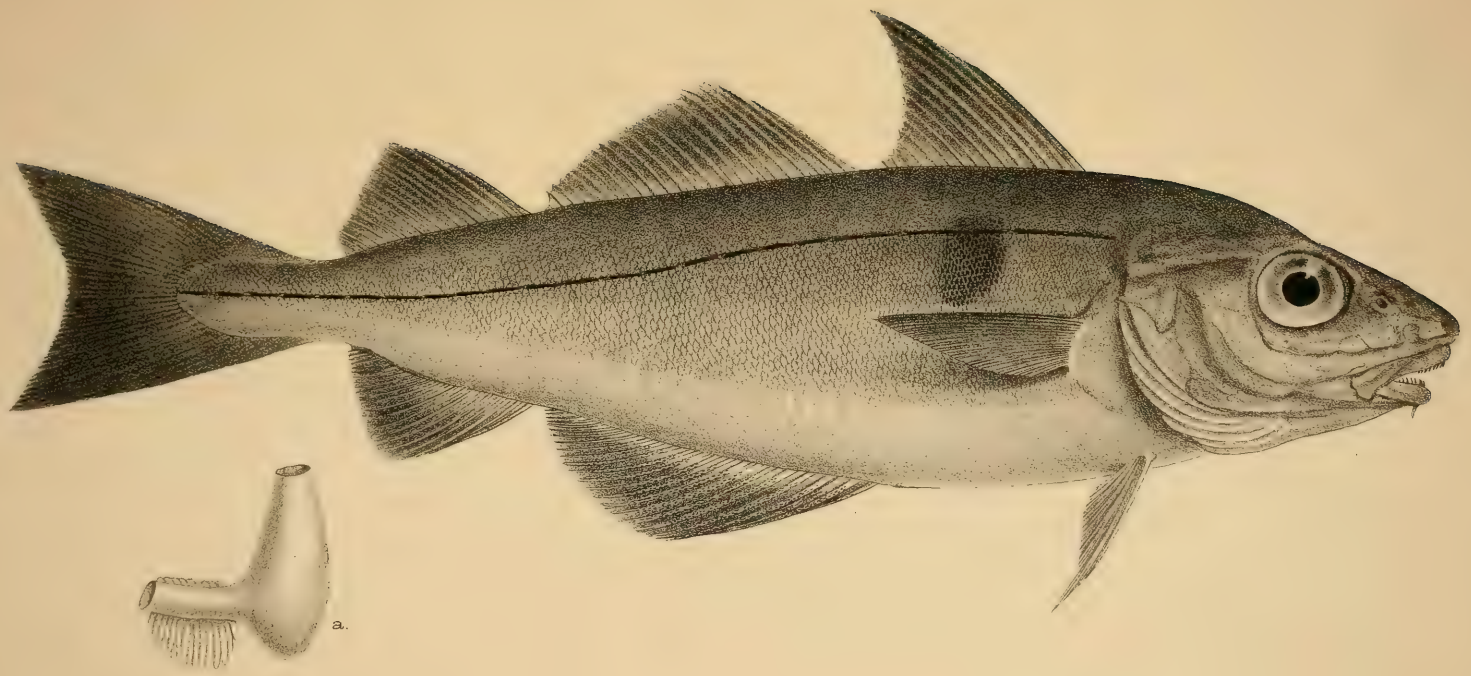


F. Day del. C. Achilles lith.

GADUS MORHUA.

a. Stomach and pyloric appendages.

Mintern Bro's imp.

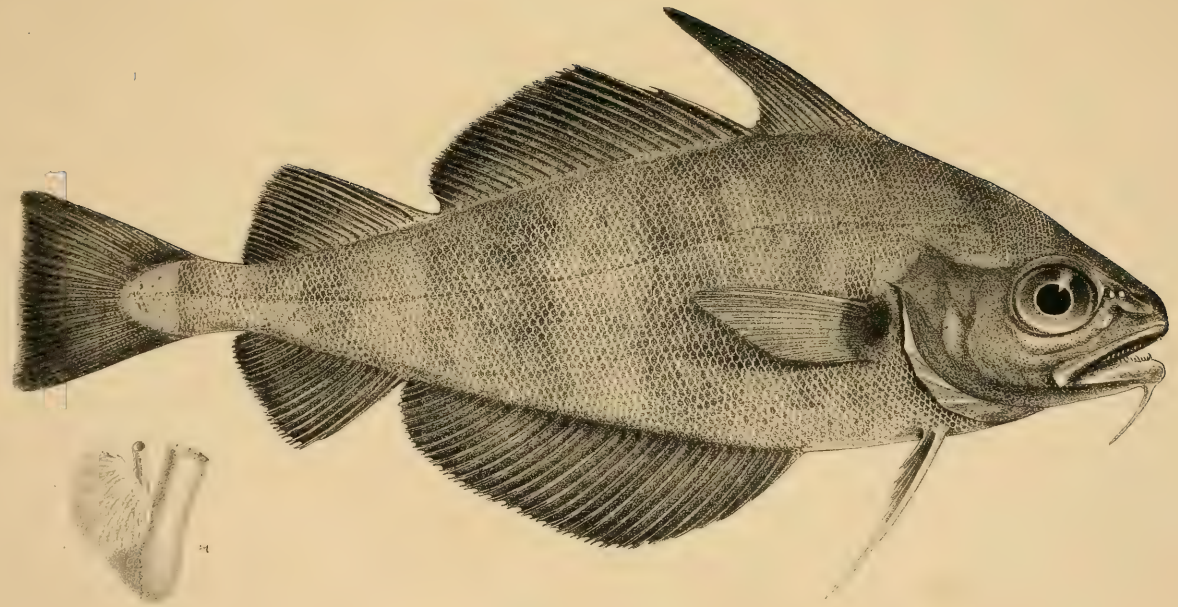


F. Day del C. Achilles lith.

Mintern Bro's imp.

GADUS ÆGLEFINUS.

A. Stomach and pyloric appendages.

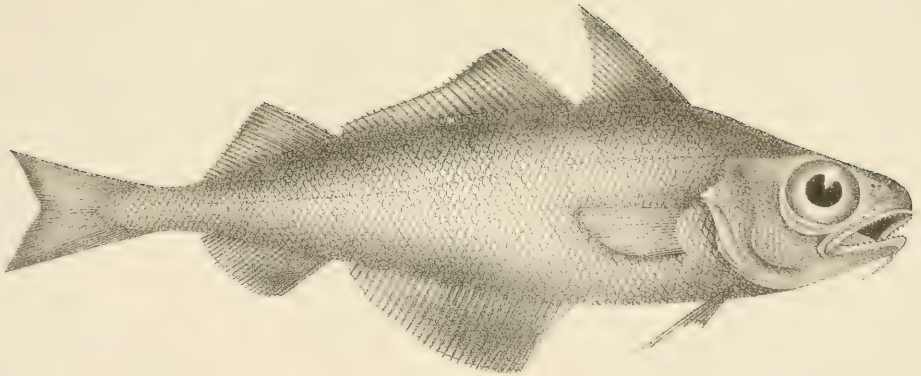


F. Day del. C. Achilles lith.

Mintern Bro's imp.

GADUS LUSCUS.

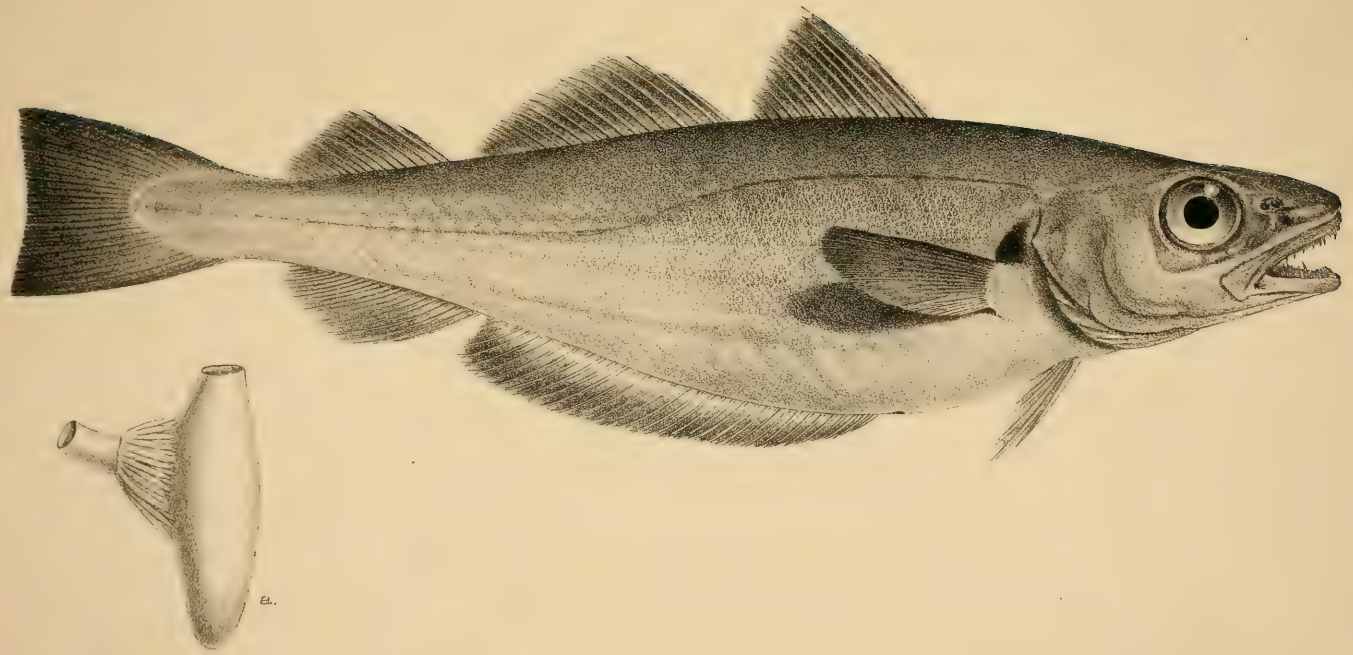
a. Stomach and pyloric appendages.



F.Day del. A.Hammond lith.

Hanhart imp.

GADUS MINUTUS.

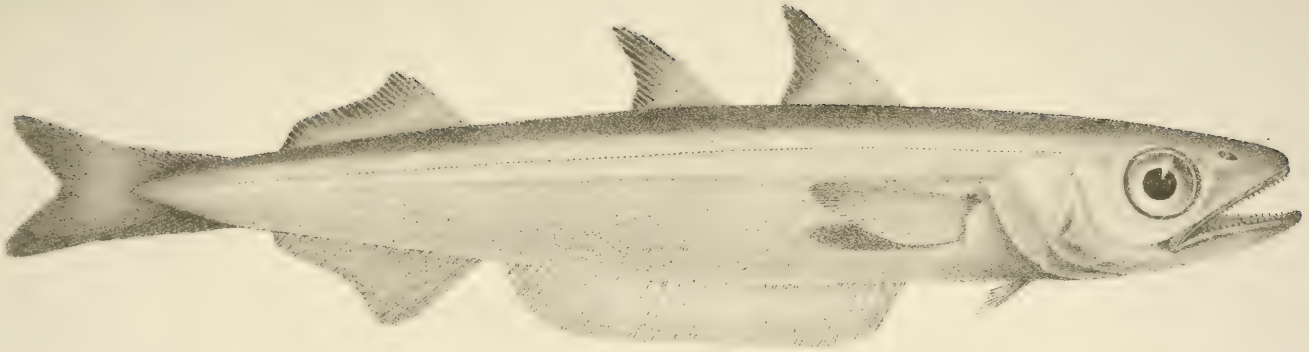


F. Day. del. C. Achilles lith.

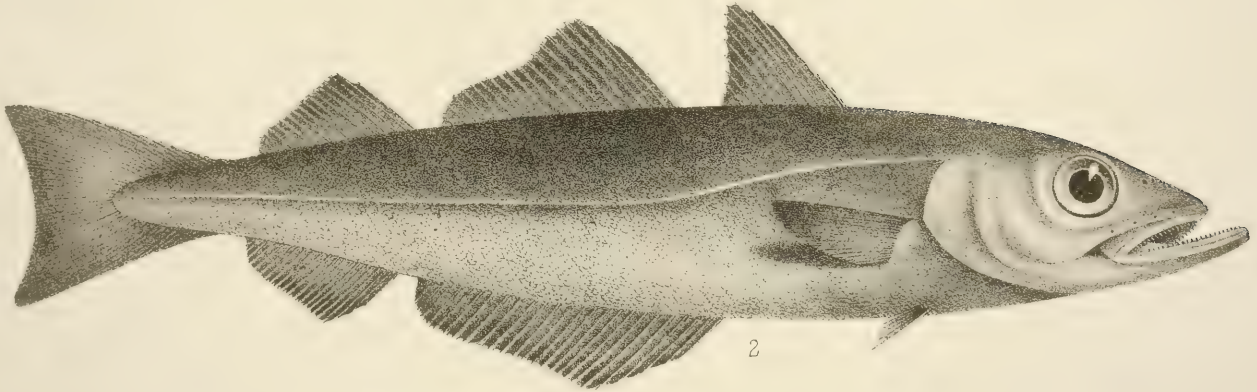
Mintern Bro's imp.

GADUS MERLANGUS.

A. Stomach and pyloric appendages.



1



2

F Day del A Hammond lith

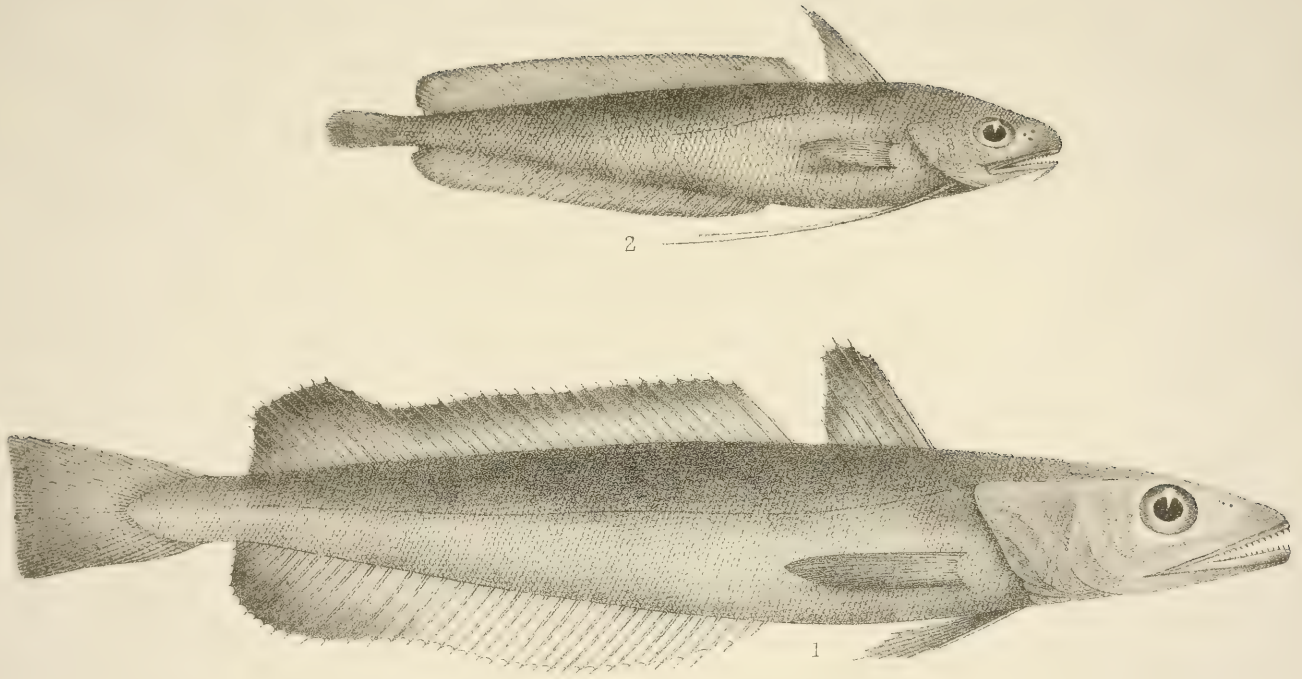
Hanhart imp.

1. GADUS POUTASSOU. 2. G. POLLACHIUS.

F. Day del. C. Achilles lith. Mintern Bro's imp.

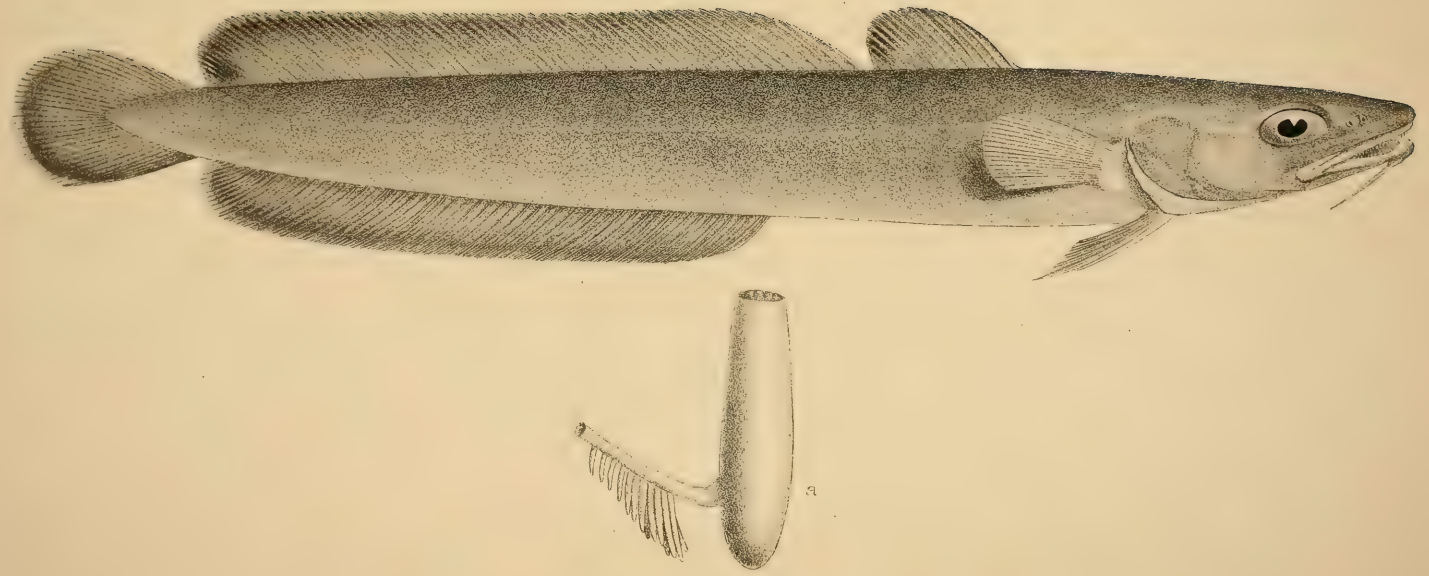
GADUS VIRENS.

a. Stomach and pyloric appendages.



F.Day del.A.Hammond lith. Hanhart imp.

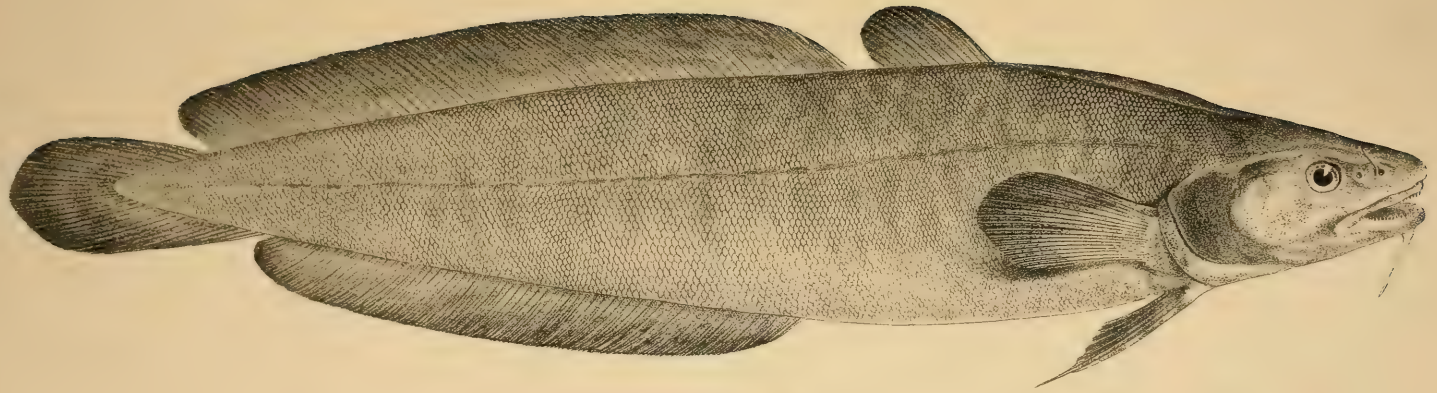
1. MERLUCCIUS VULGARIS. 2 PHYCIS BLENNOIDES

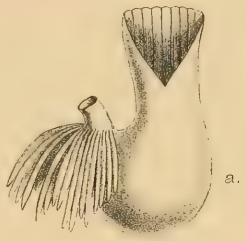


F. Day del. C. Achilles lith.

MOLVA VULGARIS.
a. Stomach and pyloric appendages.

Mintern Bro's imp.



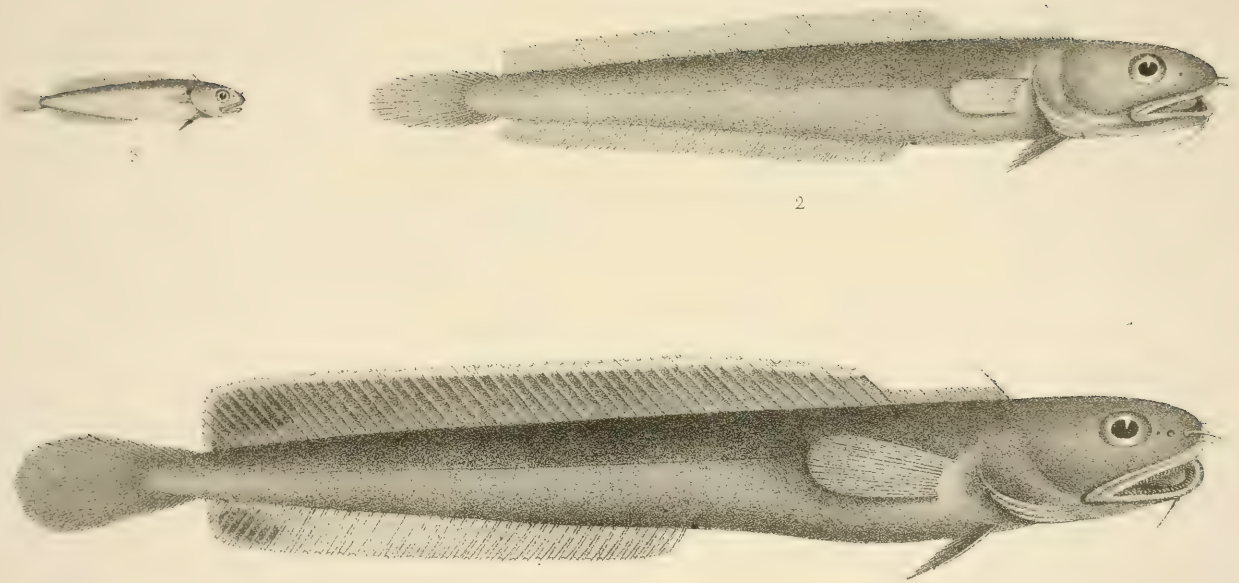


F. Day del. C. Achilles lith.

Mintern Bros imp.

LOTA VULGARIS.

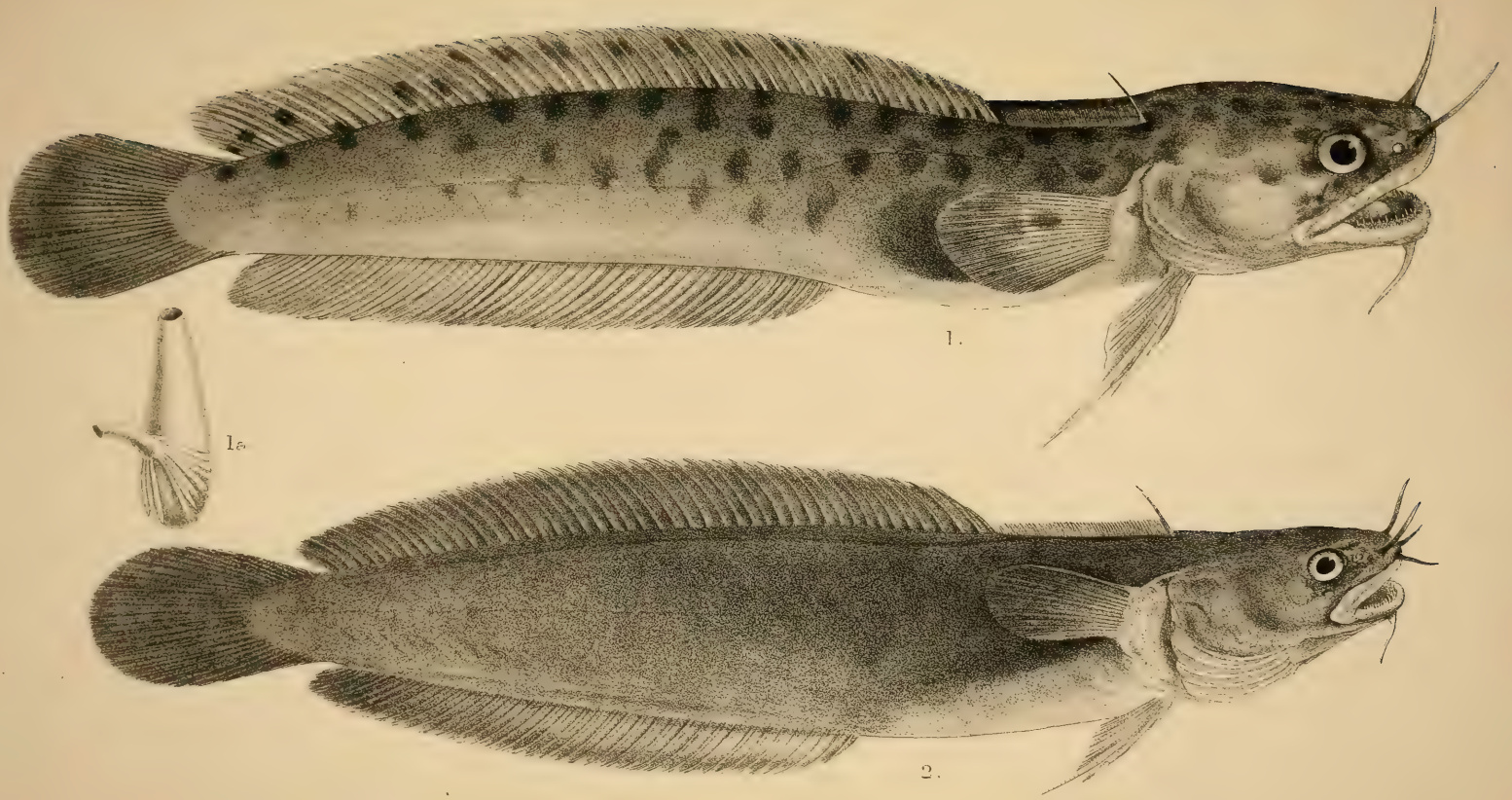
a. Stomach and pyloric appendages.



F.Day del A.Hammond lith.

Hanhart imp

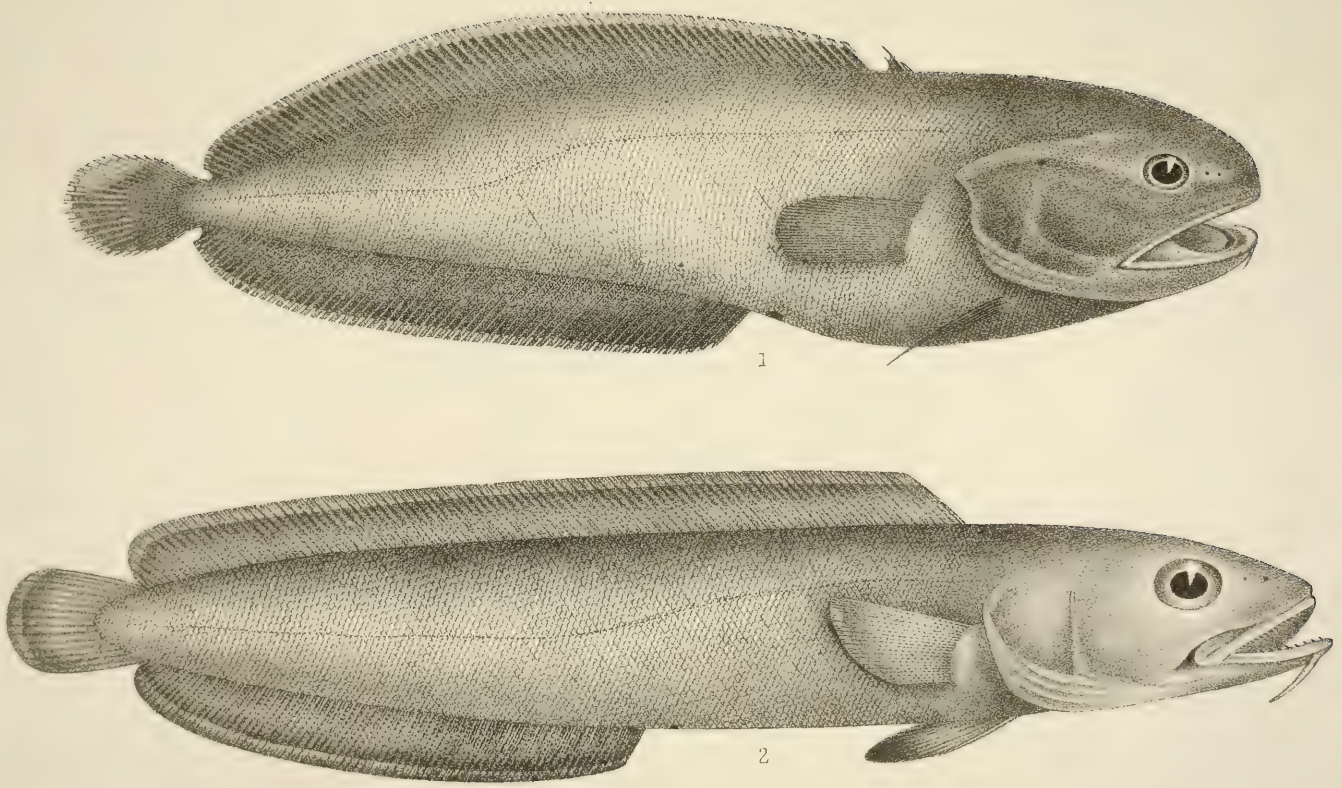
I. MOTELLA CIMBRIA 2. M. MACROPHTHALMA 3. M. TRICIRRATA (*Young*)



F. Day del. C. Achilles lith.

1. MOTELLA TRICIRRATA. 2. MOTELLA MUSTELA.
1a. Stomach and pyloric appendages.

Mintern Bro's imp.

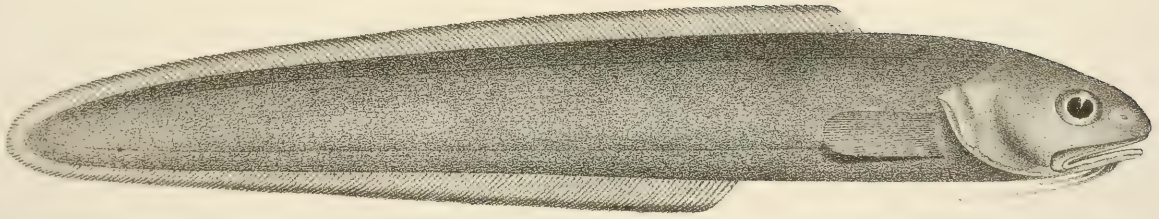


F Day del. A Hammond lith.

Hanhart imp.

1. RANICEPS RANINUS 2. BROSMIUS BROSME.

2

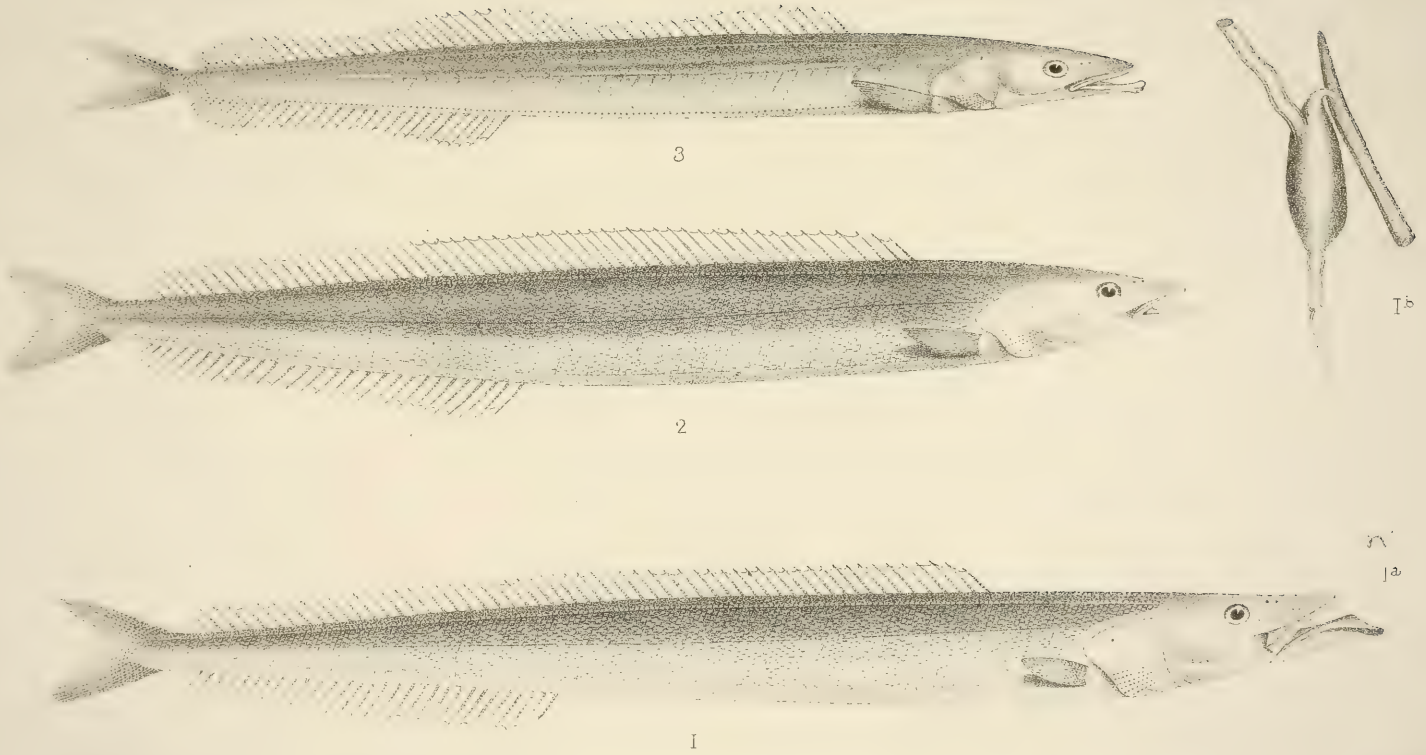


1

F.Day del A.Hammond lith.

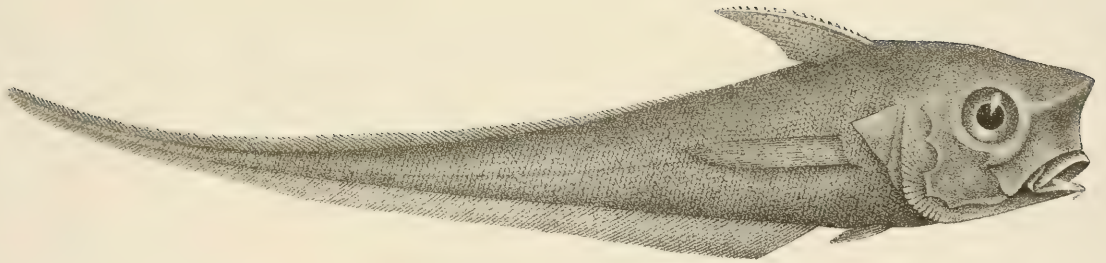
Hanhart imp

I. OPHIDIUM BARBATUM 2 FIERASFER DENTATUS.



F Day del. A Hammond lith. Hanhart imp

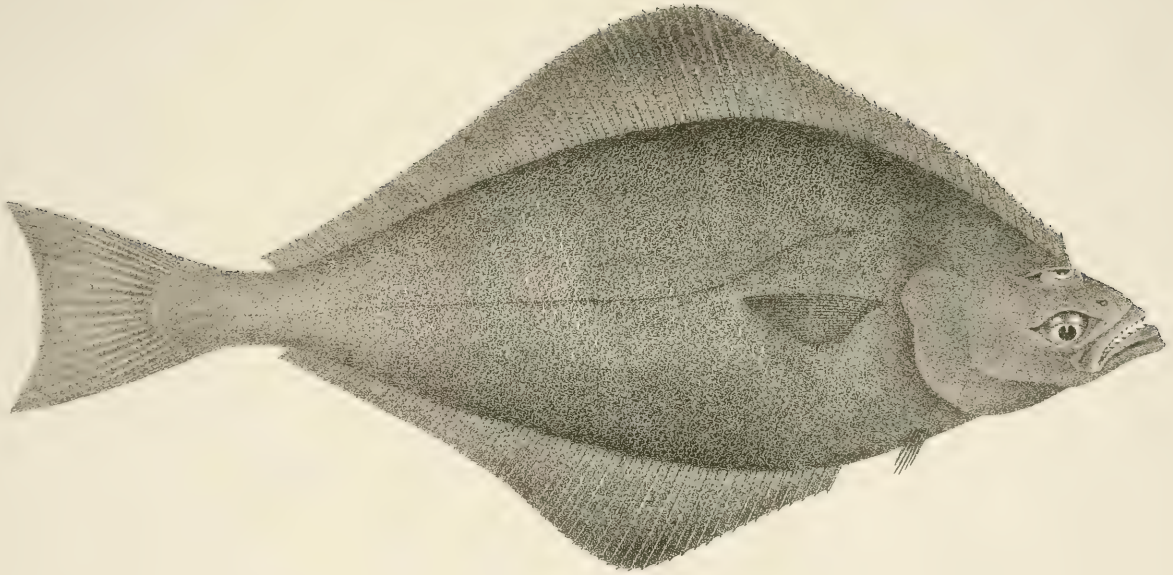
1. AMMODYTES LANCEOLATUS Ia END OF VOMER Ib STOMACH AND PYLORIC APPENDAGE.
2. A. TOBIANUS 3. A. CICERELLUS.



F. Day del. A. Hammond lith.

Hanhart imp.

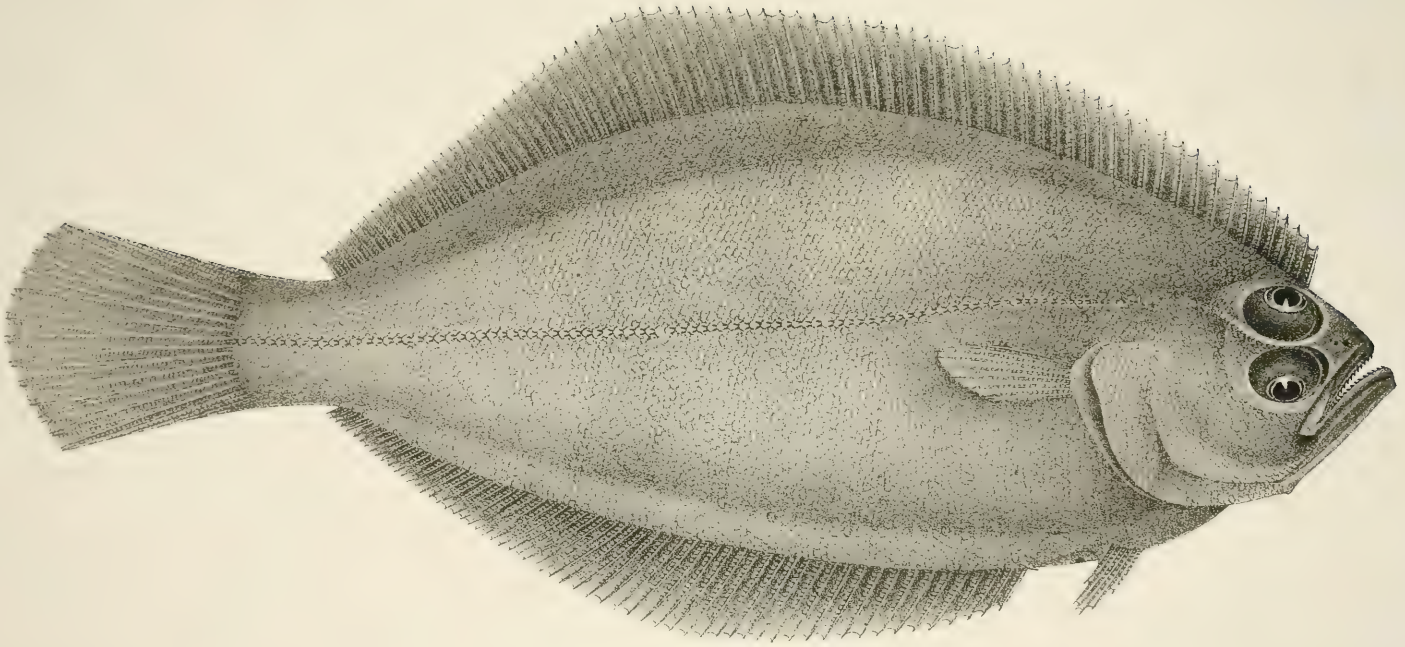
CORYPHÆNOIDES RUPESTRIS.



...de... ...mmond lith

Hanhart imp

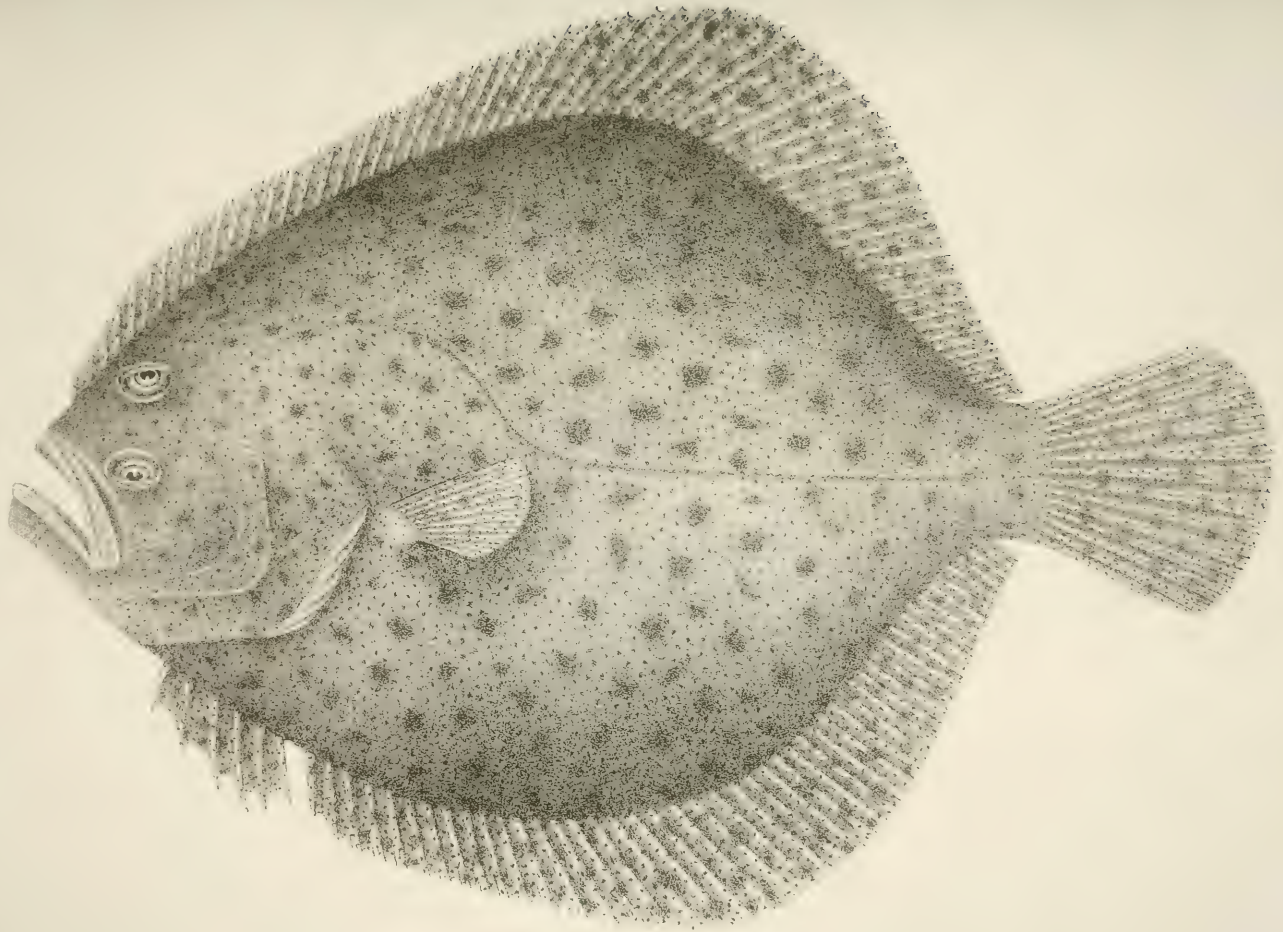
HIPPOGLOSSUS VULGARIS.



F Day del A Hammond lith

Hanhart imp

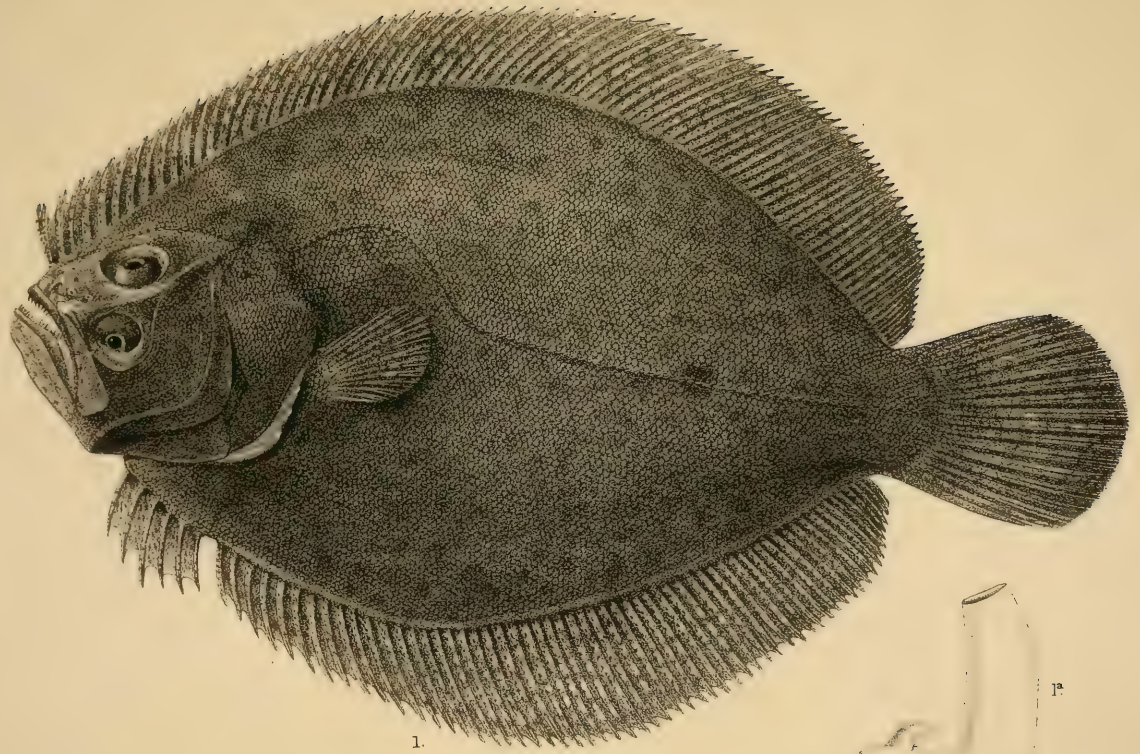
HIPPOGLOSSOIDES LIMANDOIDES



F.J. Lycett, A. Lammens, lith.

Hanhart imp.

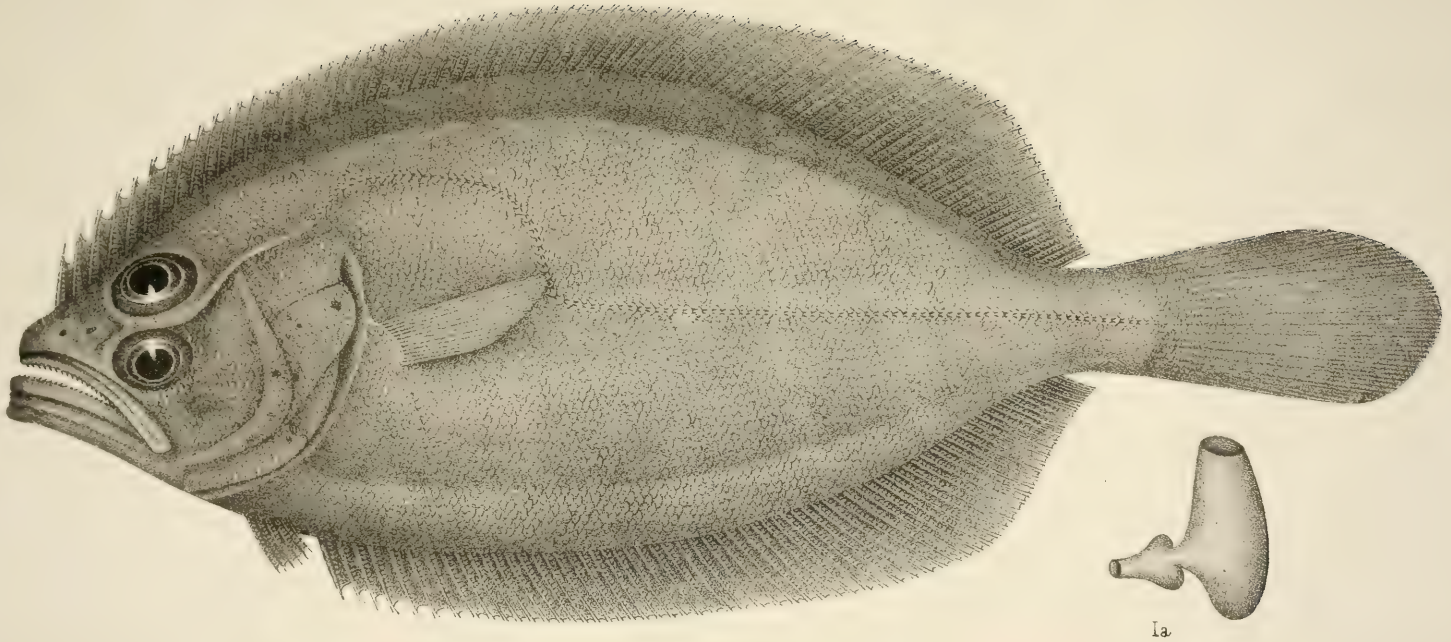
RHOMBUS MAXIMUS



F. Day del. C. Achilles lith.

Mintern Bros. imp.

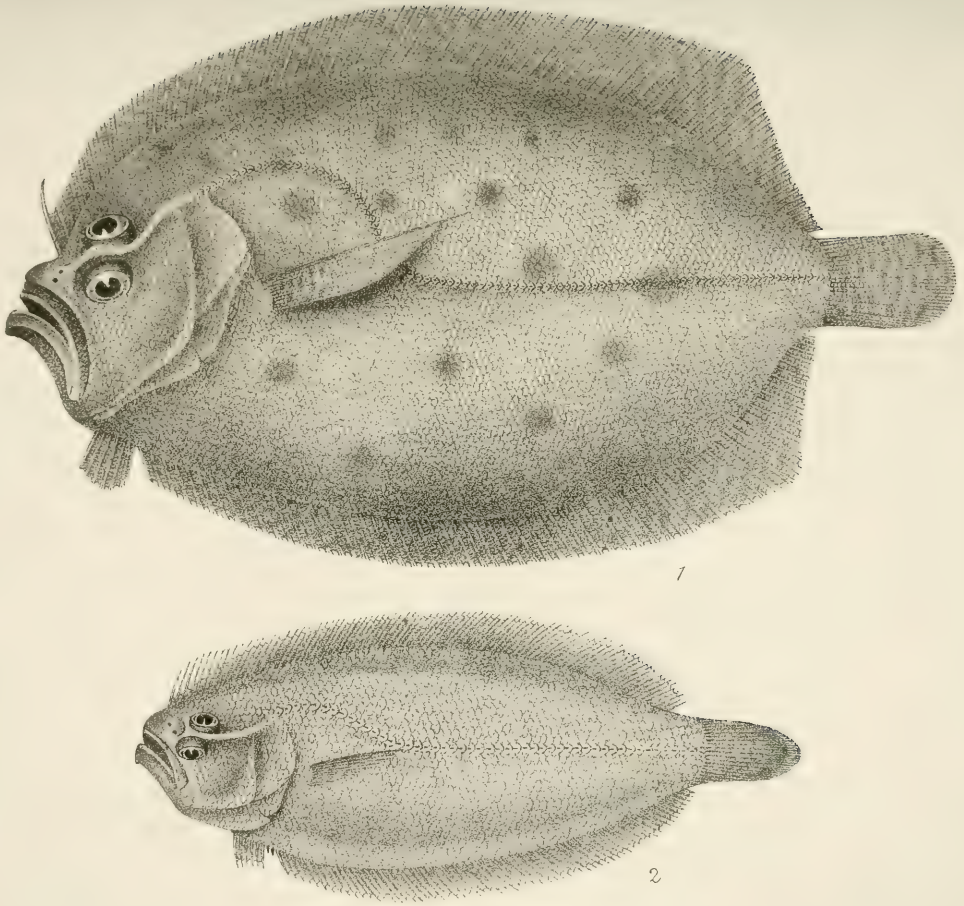
1. RHOMBUS LÆVIS.
1a Stomach and cæcal appendages



I Ia

F.Day del. A.Hammond lith. Hanhart imp.

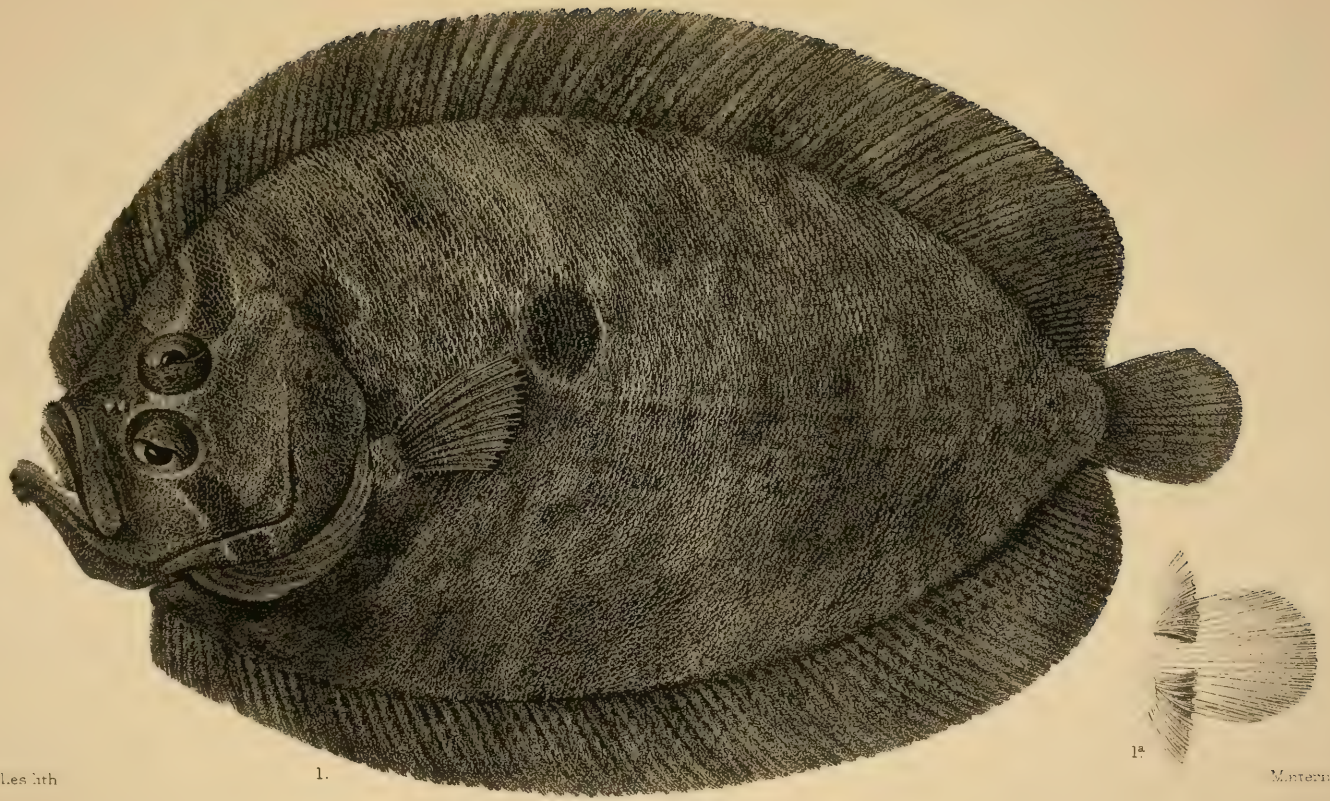
1. ARNOGLOSSUS MEGASTOMA Ia. STOMACH



F Day del A Hammond lith.

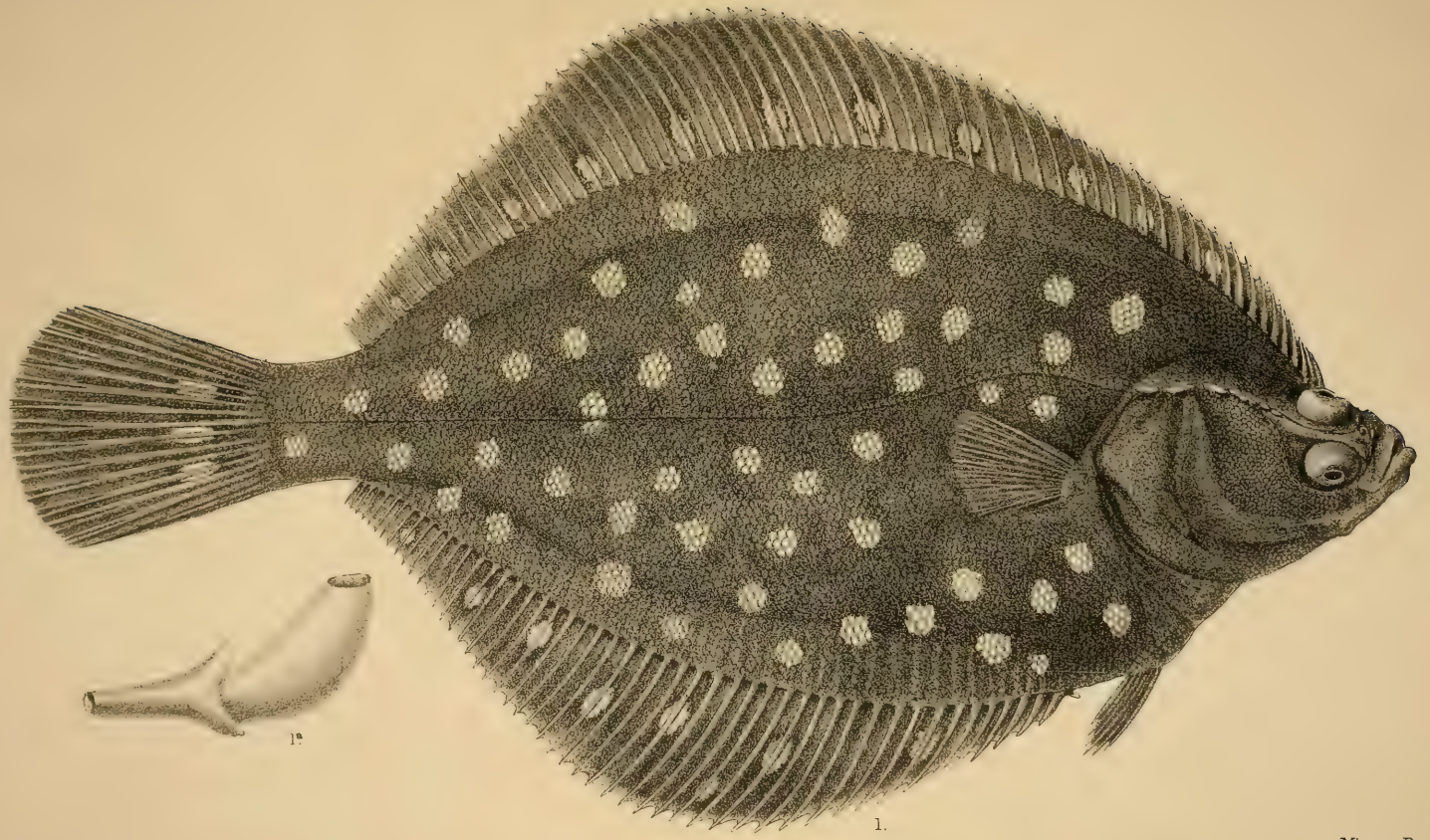
Hanhart imp

1. ZEUGOPTERUS UNIMACULATUS 2 ARNOGLOSSUS LATERNA.



F. Day del. C. Achilles lith. 1. 1ª Masters Bros. imp.

1. ZEUGOPTERUS PUNCTATUS.
1ª Under side of Caudal Fin.

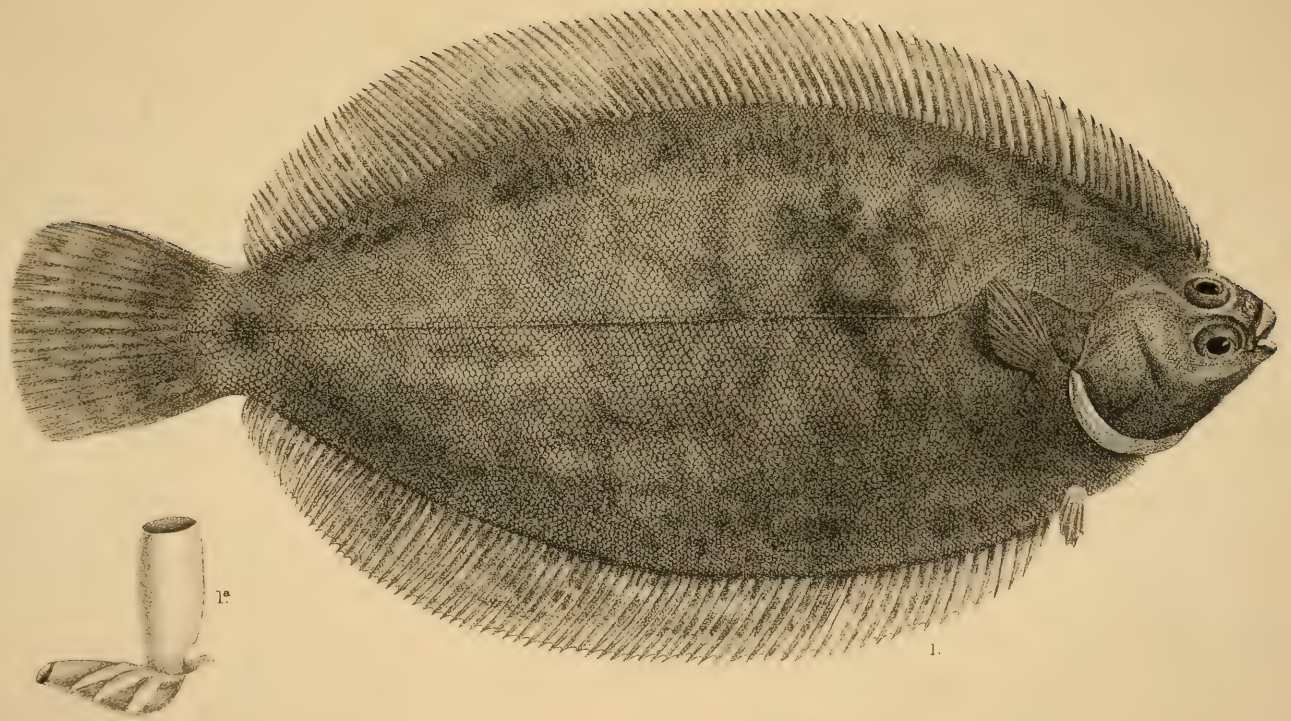


F. Day del. C. Achilles lith.

Mintern Bros. imp.

1. PLEURONECTES PLATESSA.

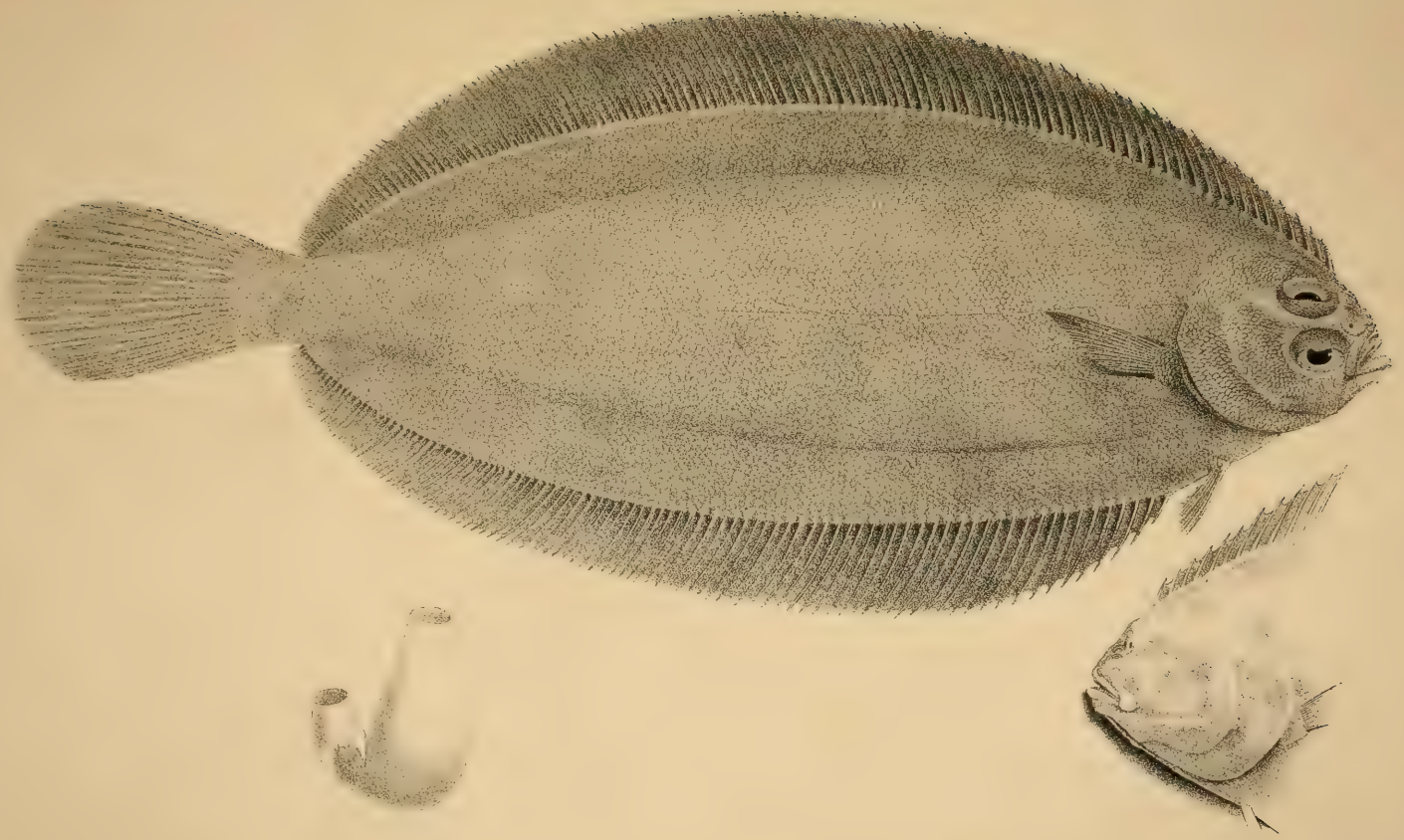
1a Stomach and cæcal appendages.



F. Day del. C Achilles lith

1. PLEURONECTES MICROCEPHALUS.
1a Stomach and cæcal appendages.

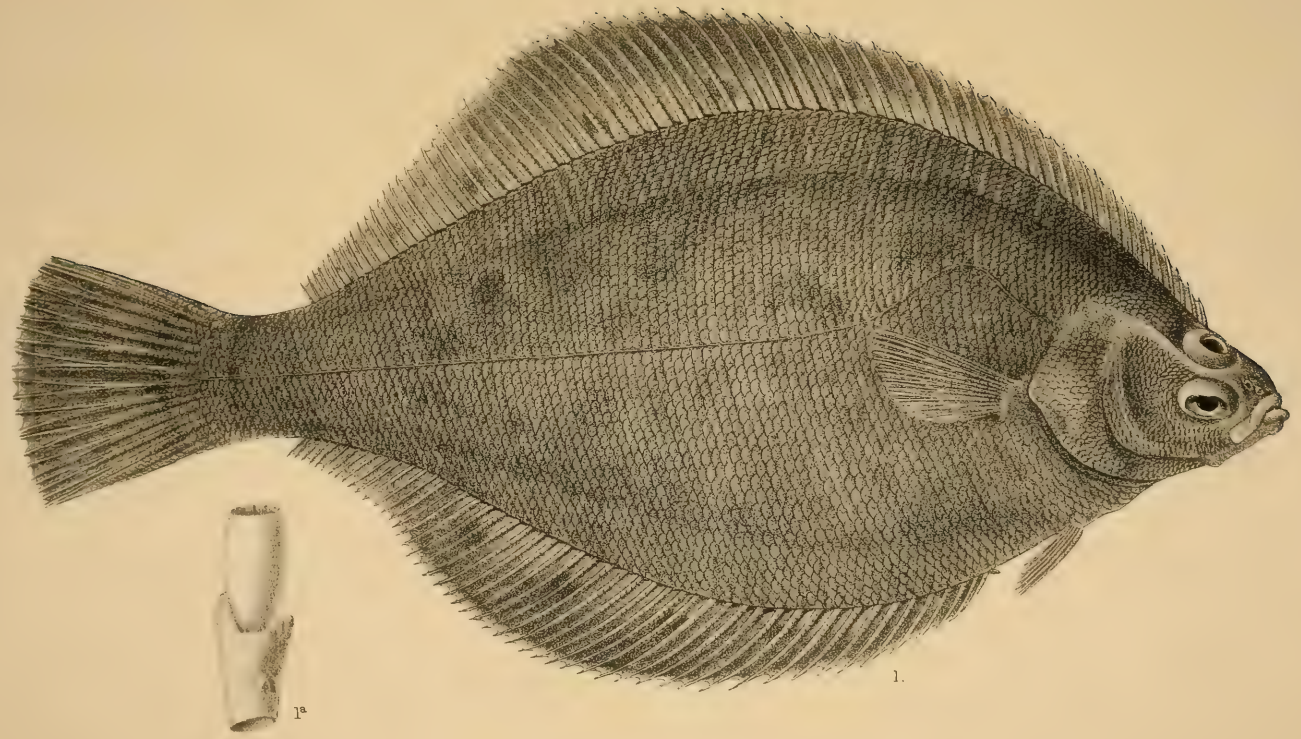
Mintern Bros. imp.



F Day del. C Achilles lith.

Mintern Bros. imp.

PLEURONECTES CYNOGLOSSUS.

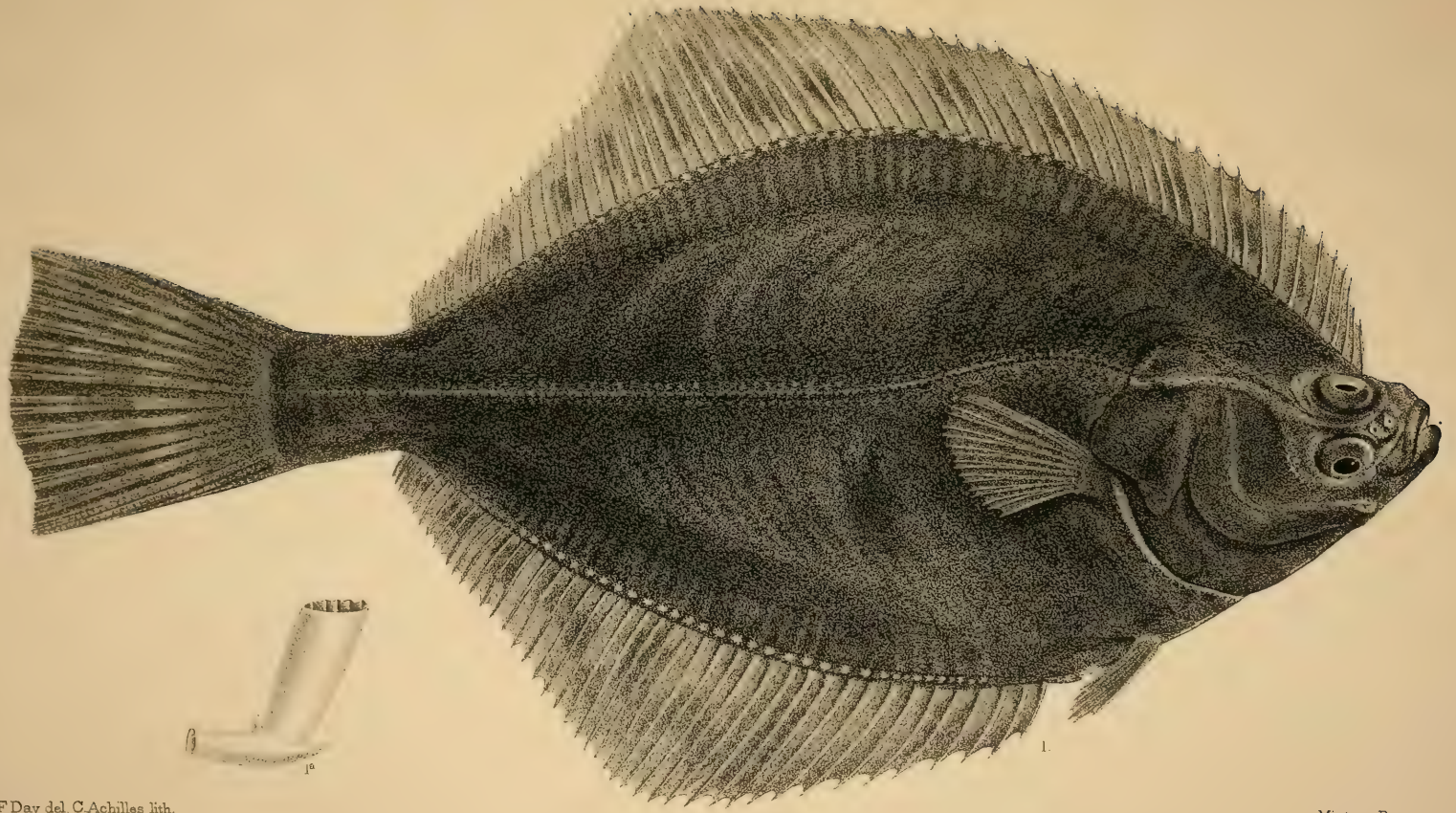


F.Day del. C.Achilles lith.

Mintern Bros. imp.

1. PLEURONECTES LIMANDA.

1a Stomach and cæcal appendages.

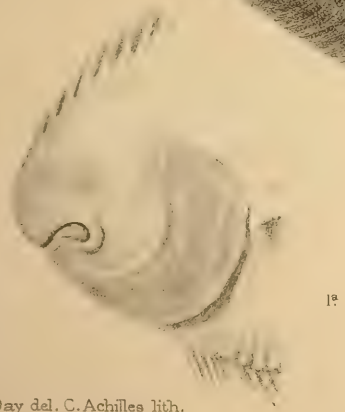


F Day del. C.Achilles lith.

Mintern Bros imp.

1 PLEURONECTES FLESUS.
1ª Stomach and cæcal appendages

1.



1a

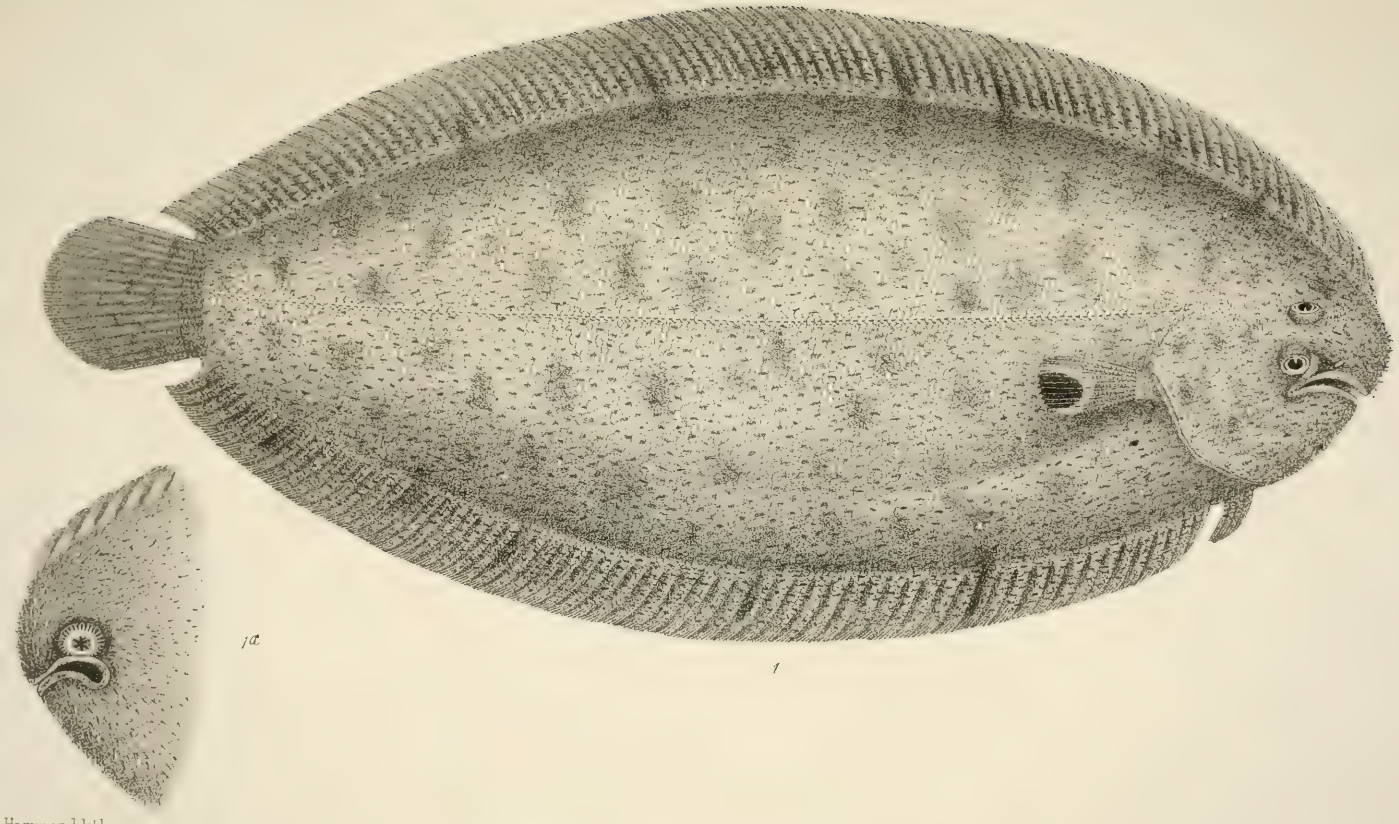
1b

F. Day del. C. Achilles lith.

1. SOLEA VULGARIS.

1a Under side of head. 1b Stomach

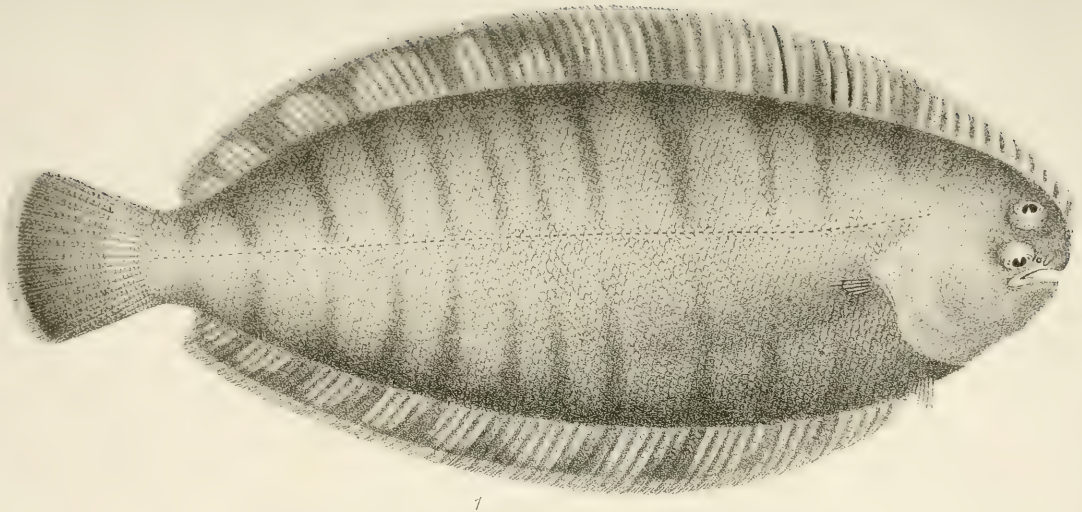
Mintern Bro's imp.



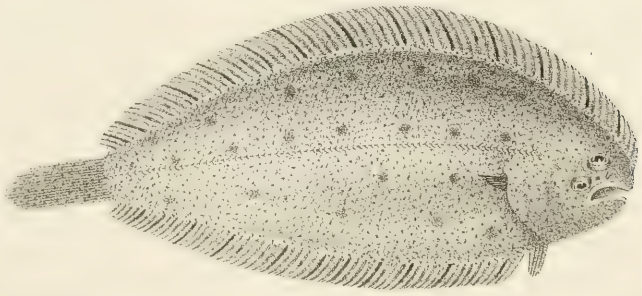
F.Day del. A.Hammond.lith.

Hanhart imp.

1. SOLEA LASCARIS 1a UNDER SURFACE OF HEAD



1

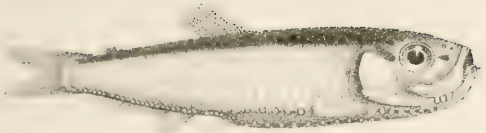


2

F.Day del. et lith.

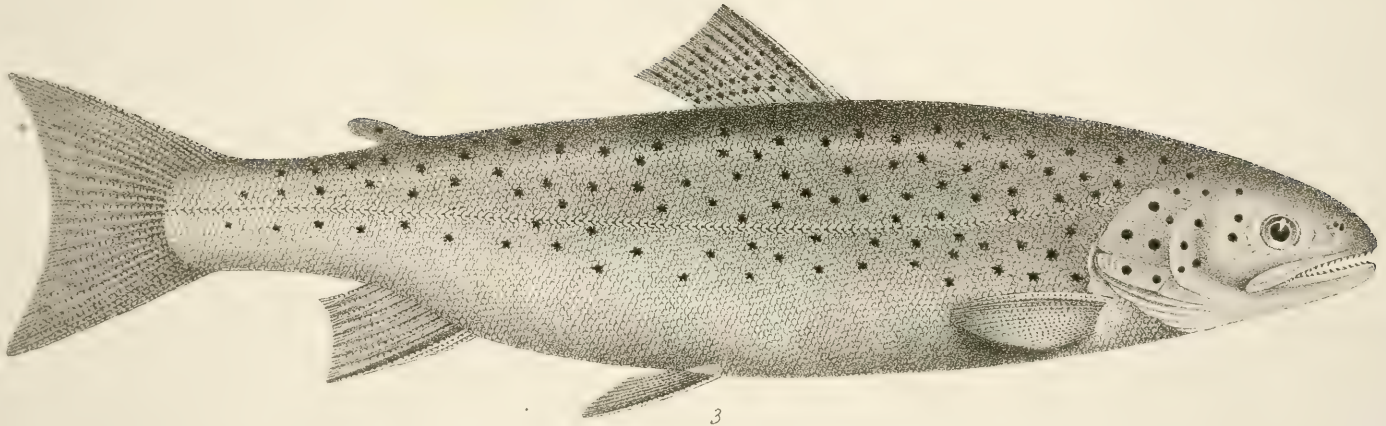
Hanhart imp.

1. SOLEA VARIEGATA 2 S. LUTEA.



2

1

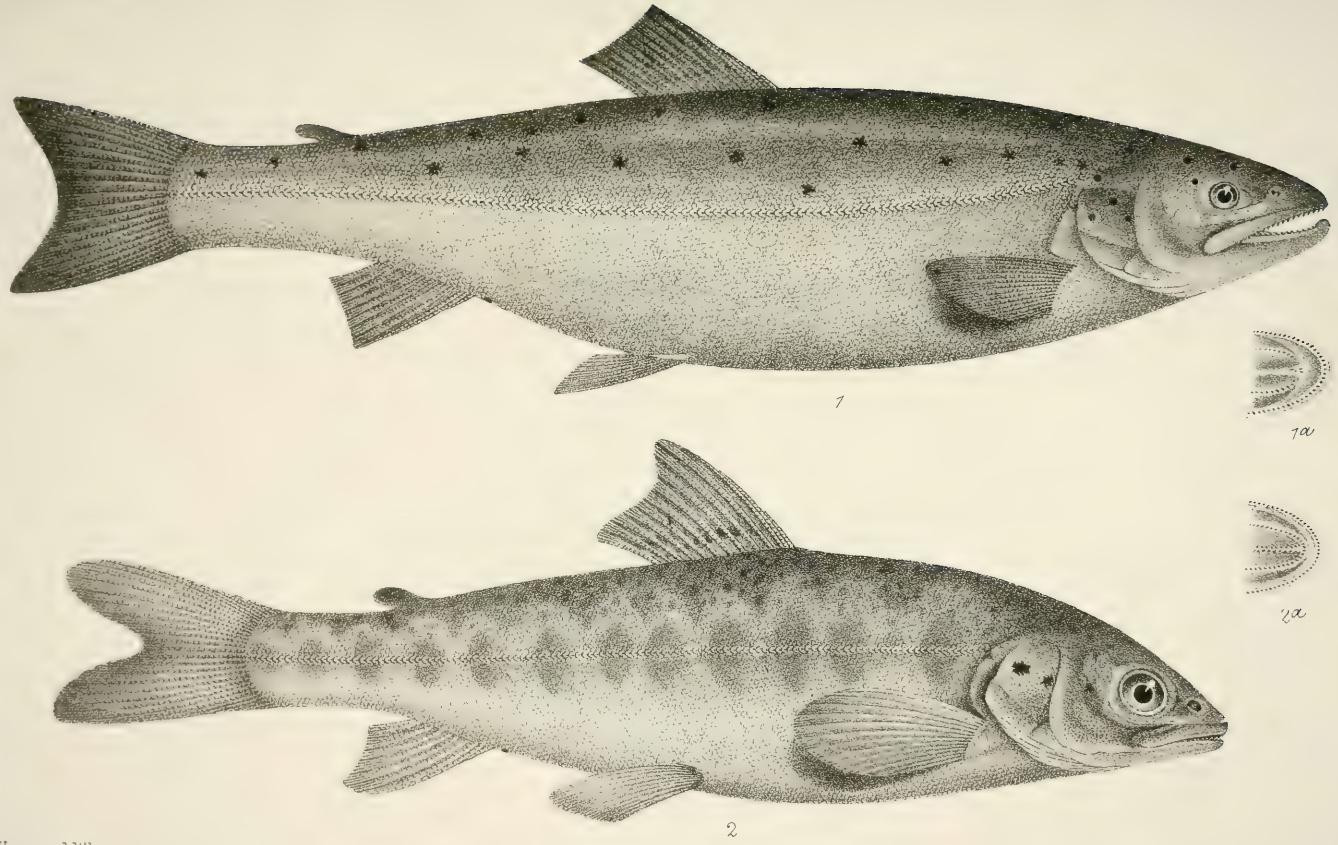


3

F. Day. del. A Hammond lith.

Hanhart. imp.

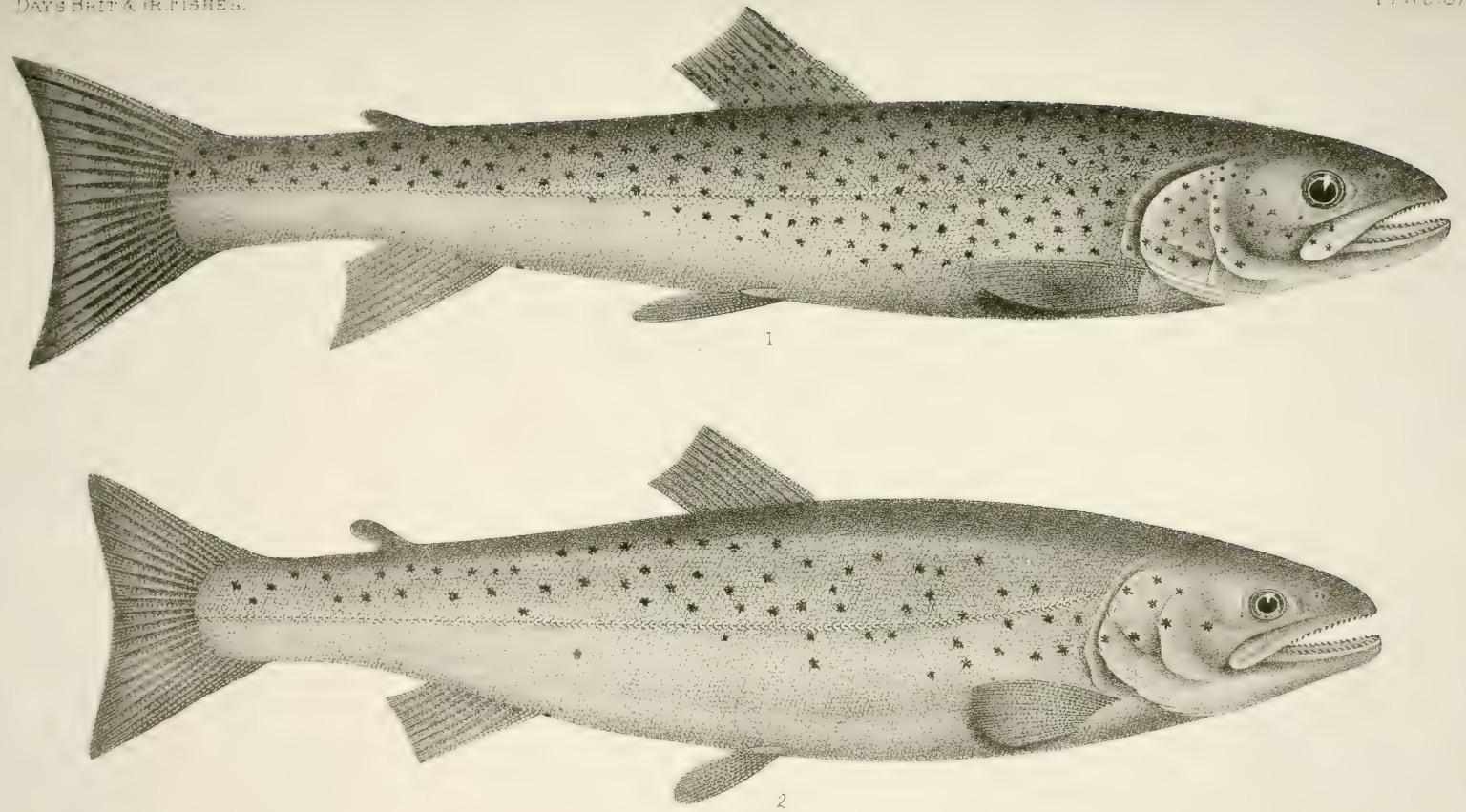
ARGYROPELECUS HEMIGYMNUS 2 MAUROLICUS PENNANTII.
3. SALMO FARIO (VARIETY ESTUARIUS.)



E Day del. A Hammond lith.

Hanhart. imp.

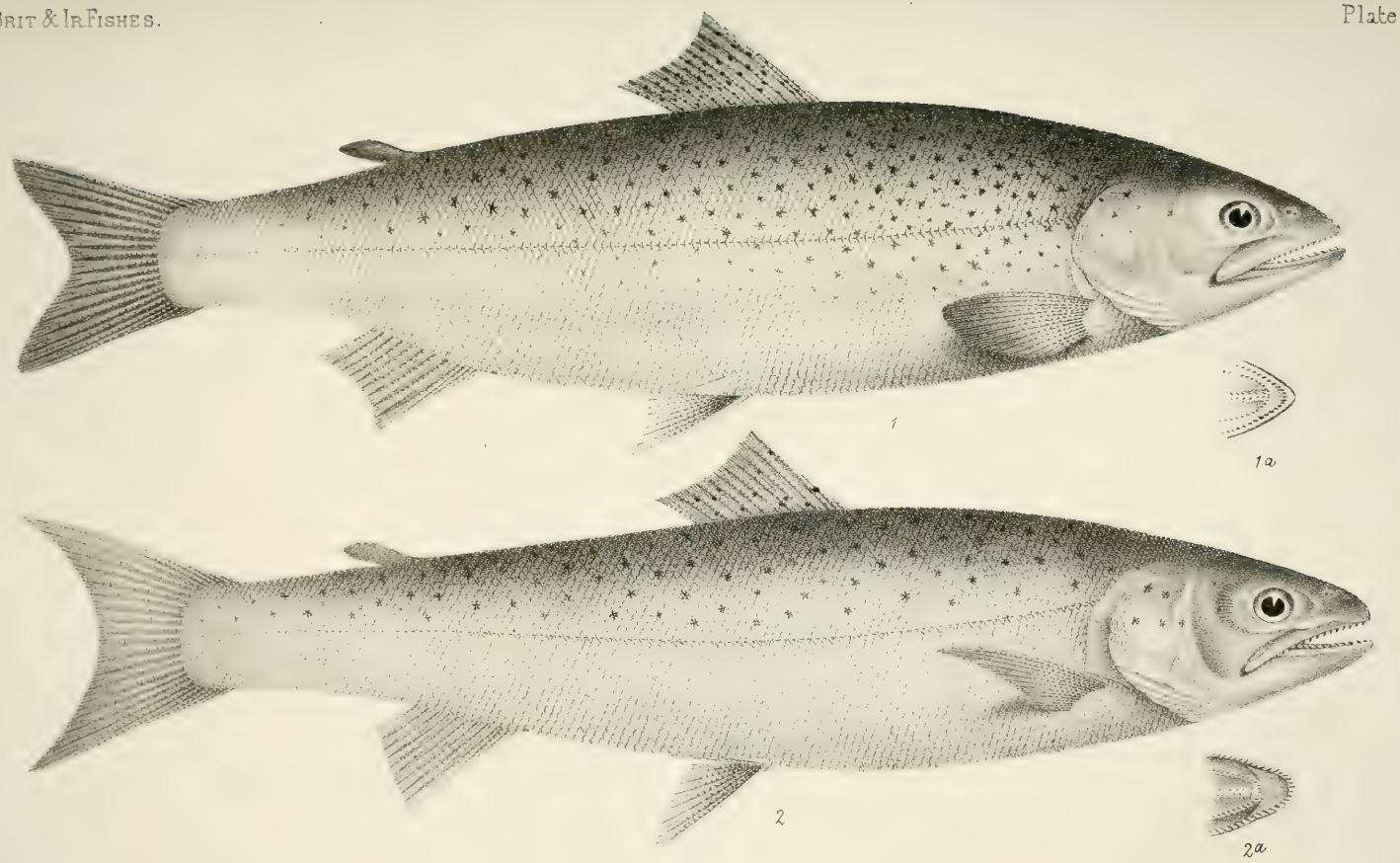
I. SALMO SALAR 1a. DENTITION 2. YOUNG, 2a. DENTITION.



F.Day del. A.Hammond.lith.

Hanhart imp

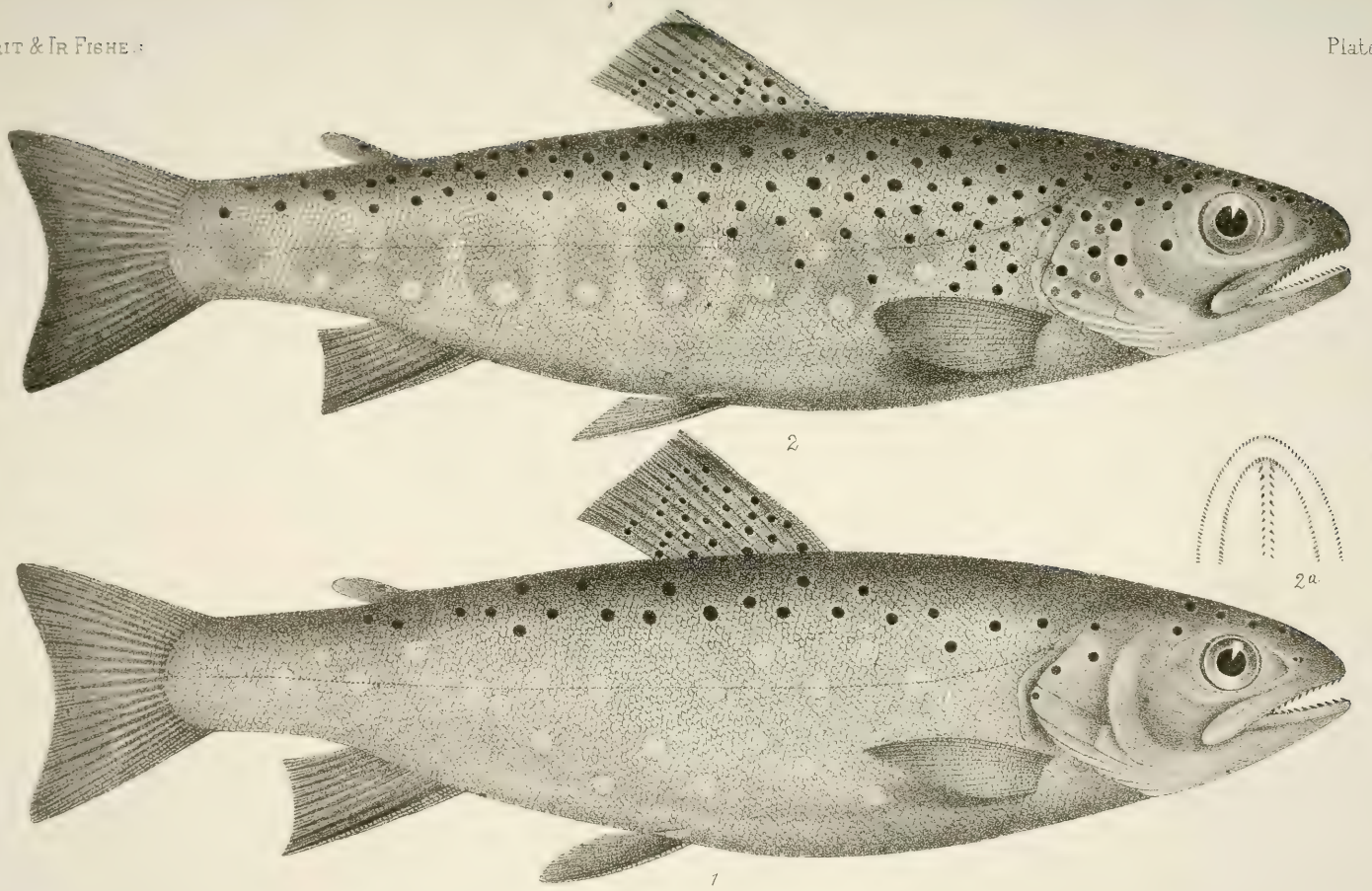
1. SALMO SALAR (VARIETY ARGENTEUS GUNTHER) 2 S. TRUTTA



F Day del A Hammond lith.

Hanhart imp.

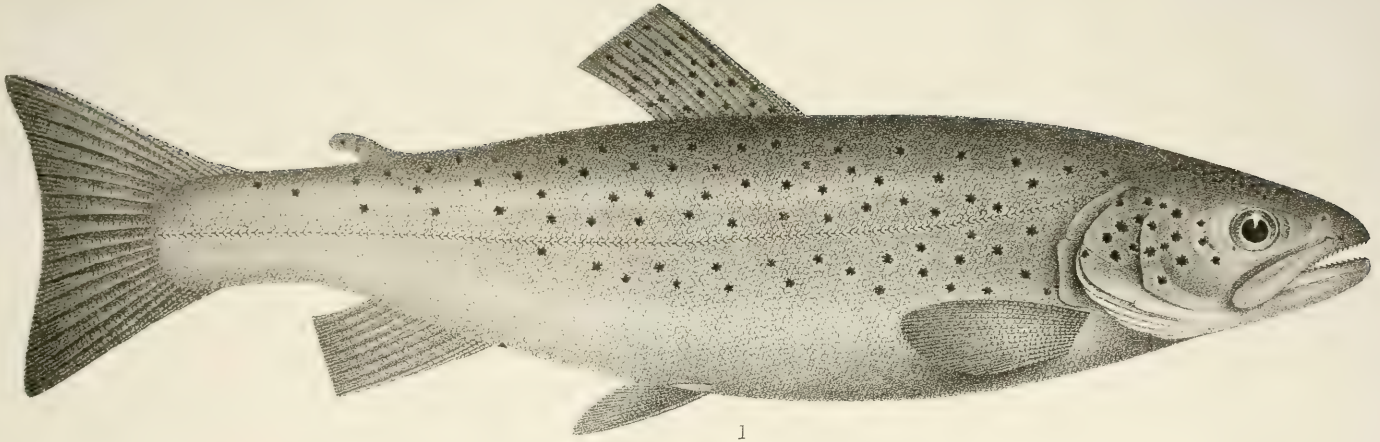
1. SALMO TRUTTA (VARIETY CAMBRICUS) 1a. DENTITION 2. S TRUTTA (VARIETY ALBUS)
2a. DENTITION.



F Day del. A Hammond lith.

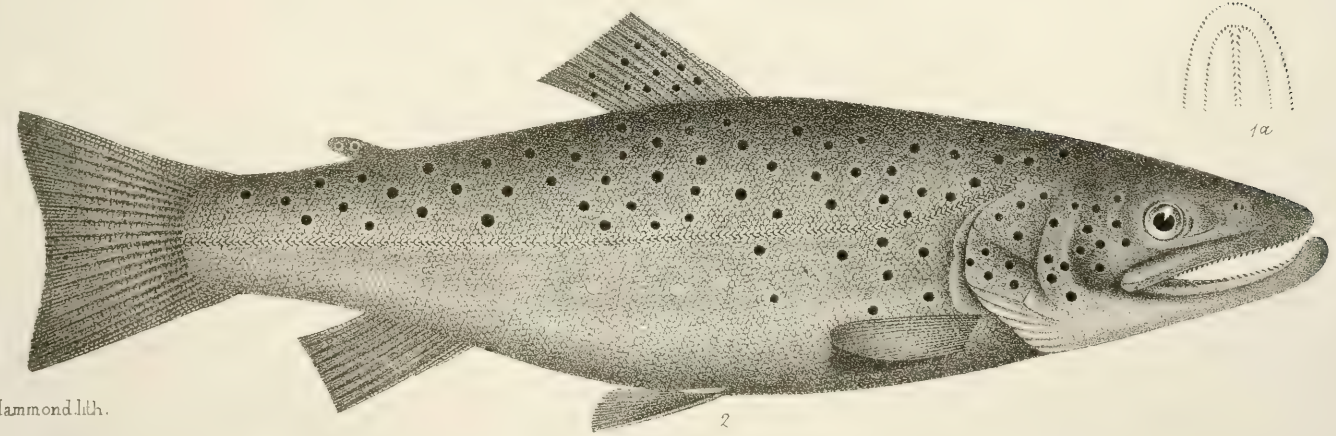
Hanhart imp

1. SALMO FARIO 2. S. FARIO (VARIETY CORNUBIENSIS) 2a. DENTITION.



1

1a



2

F.Day.del.A.Hammond.lith.

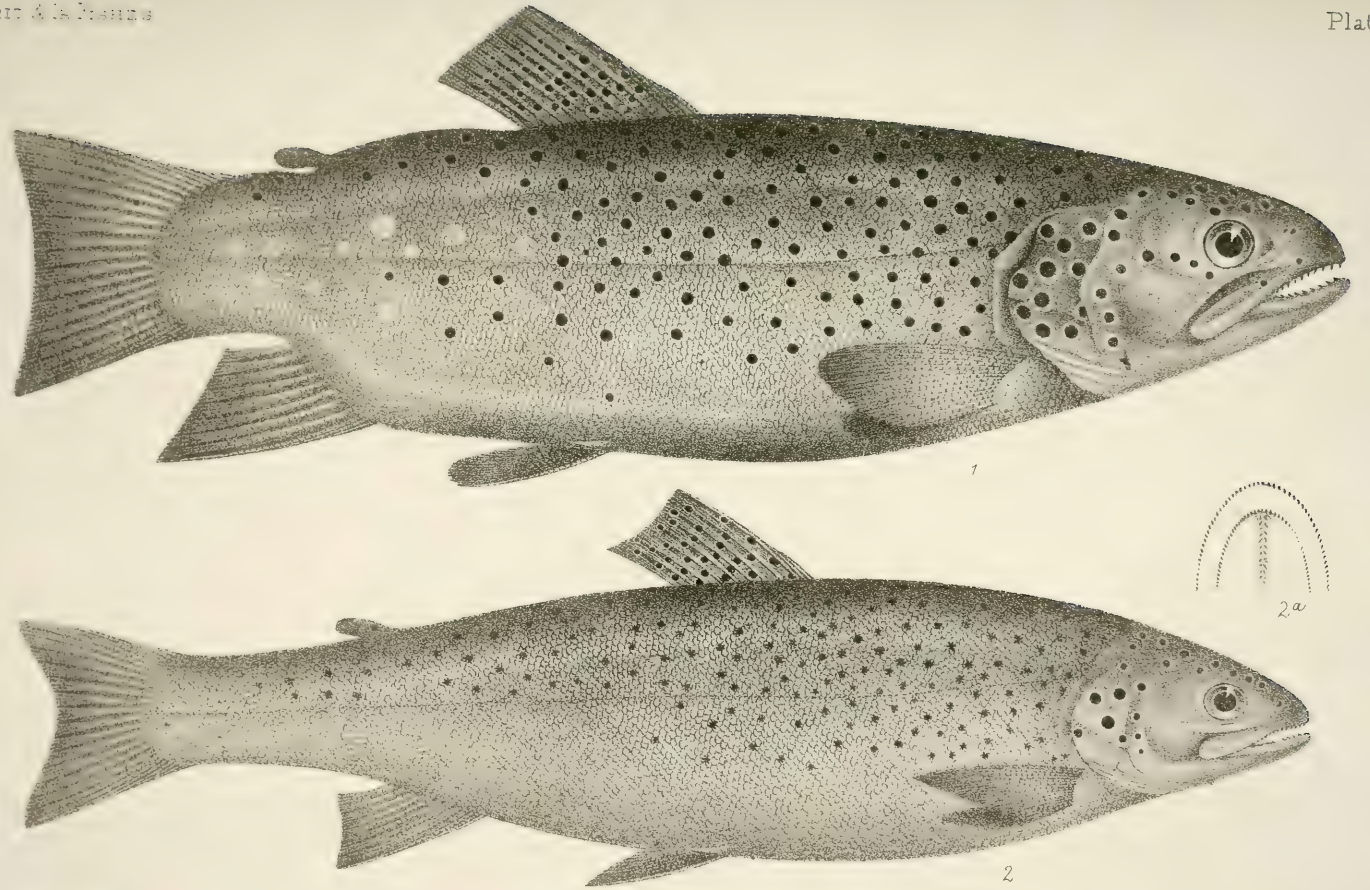
Hanhart imp

1. SALMO FARIO (VARIETY ORCADENSIS) 1a. DENTITION 2 S. FARIO (VAR FEROX.)

F.Day del. A.Hammond lith.

Hanhart imp.

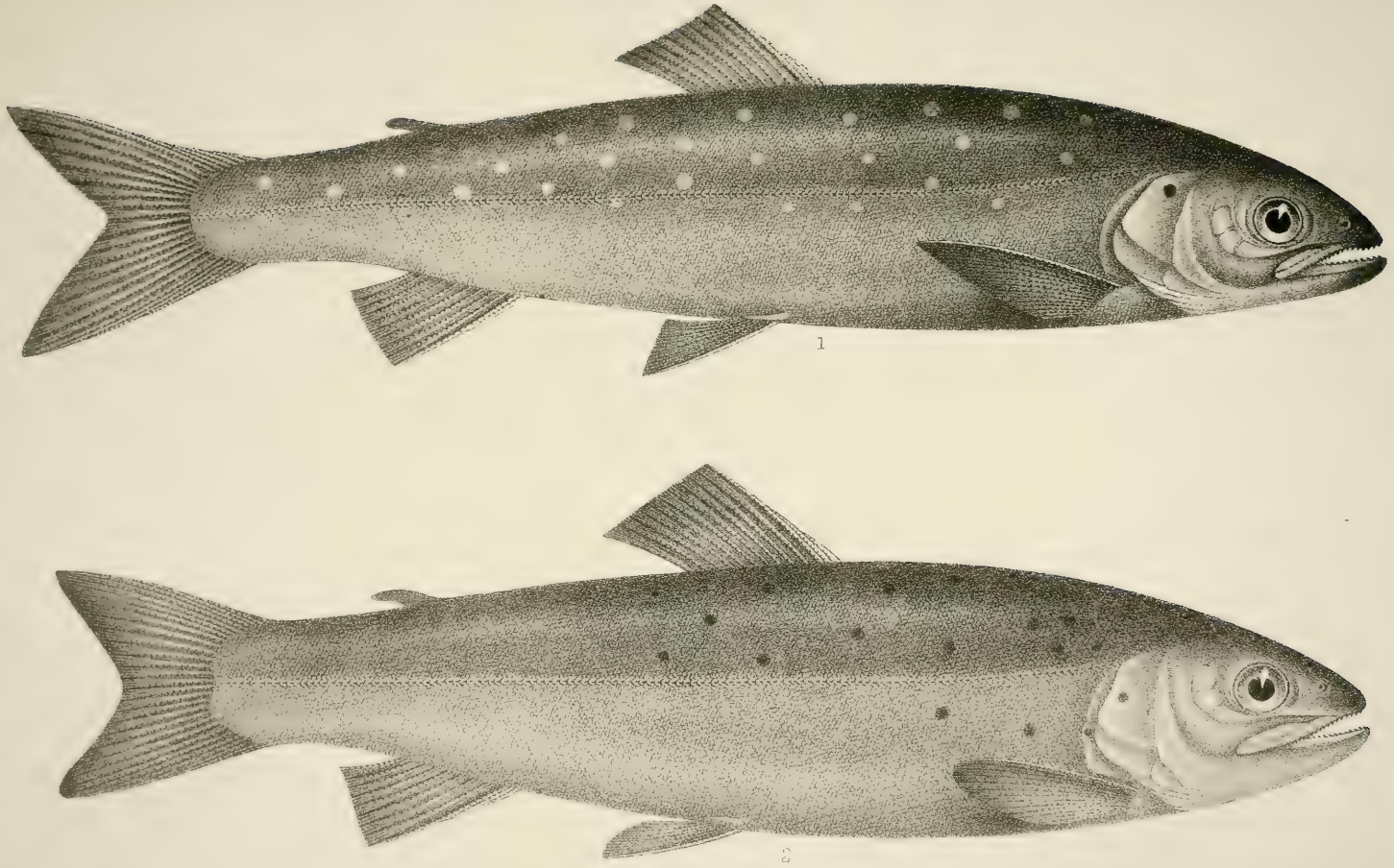
1. SALMO FARIO (FROM YORKSHIRE) 1a. DENTITION 2. S. FARIO (VARIETY NIGRIPINNIS.) 2a. DENTITION



F.Day del. A.Hammond lith.

Hanhart imp

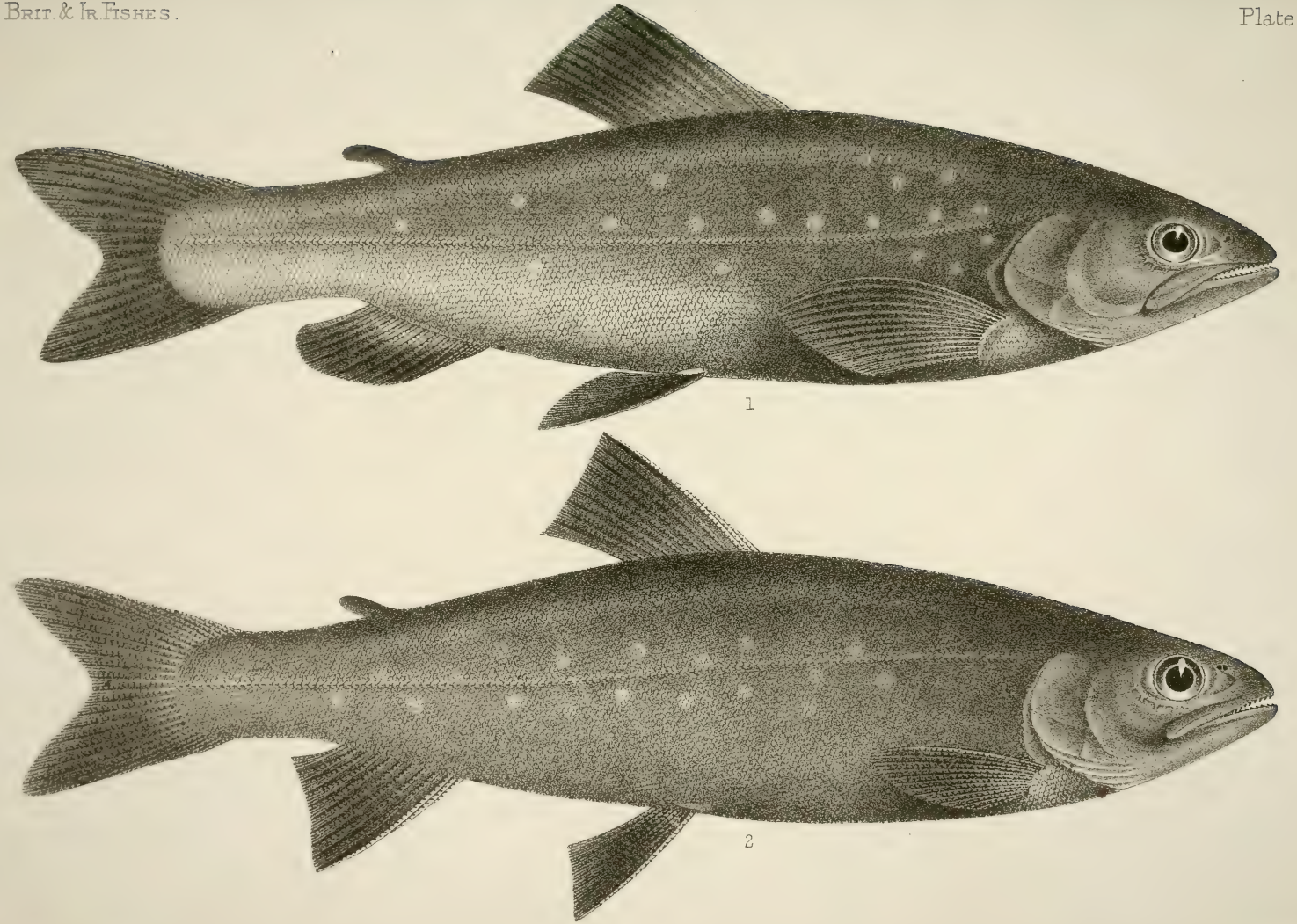
1. SALMO FARIO (HOG BACKED VARIETY) 2. SALMO LEVENENSIS, 2a. DENTITION.



F. Day del. A. Hammond lith.

Hanhart imp

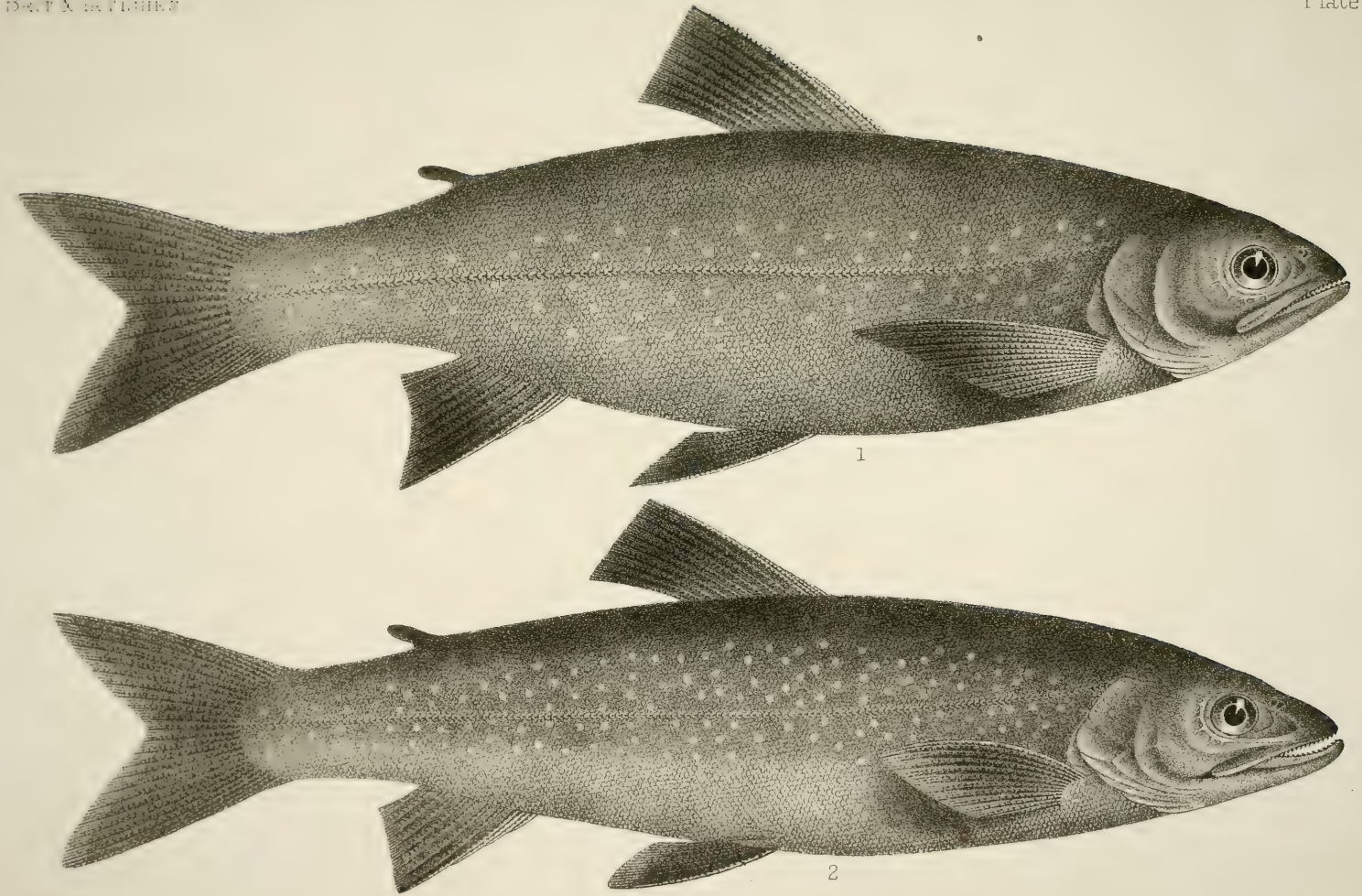
1. SALMO ALPINUS 2. S. ALPINUS (VARIETY. S. WILLUGHBII



F. Day del. A. Hammond lith.

Hanhart imp.

1. SALMO ALPINUS. (VARIETY S. KILLINENSIS) 2. (VARIETY S. COLII.)



F.Day del A.Hammond lith.

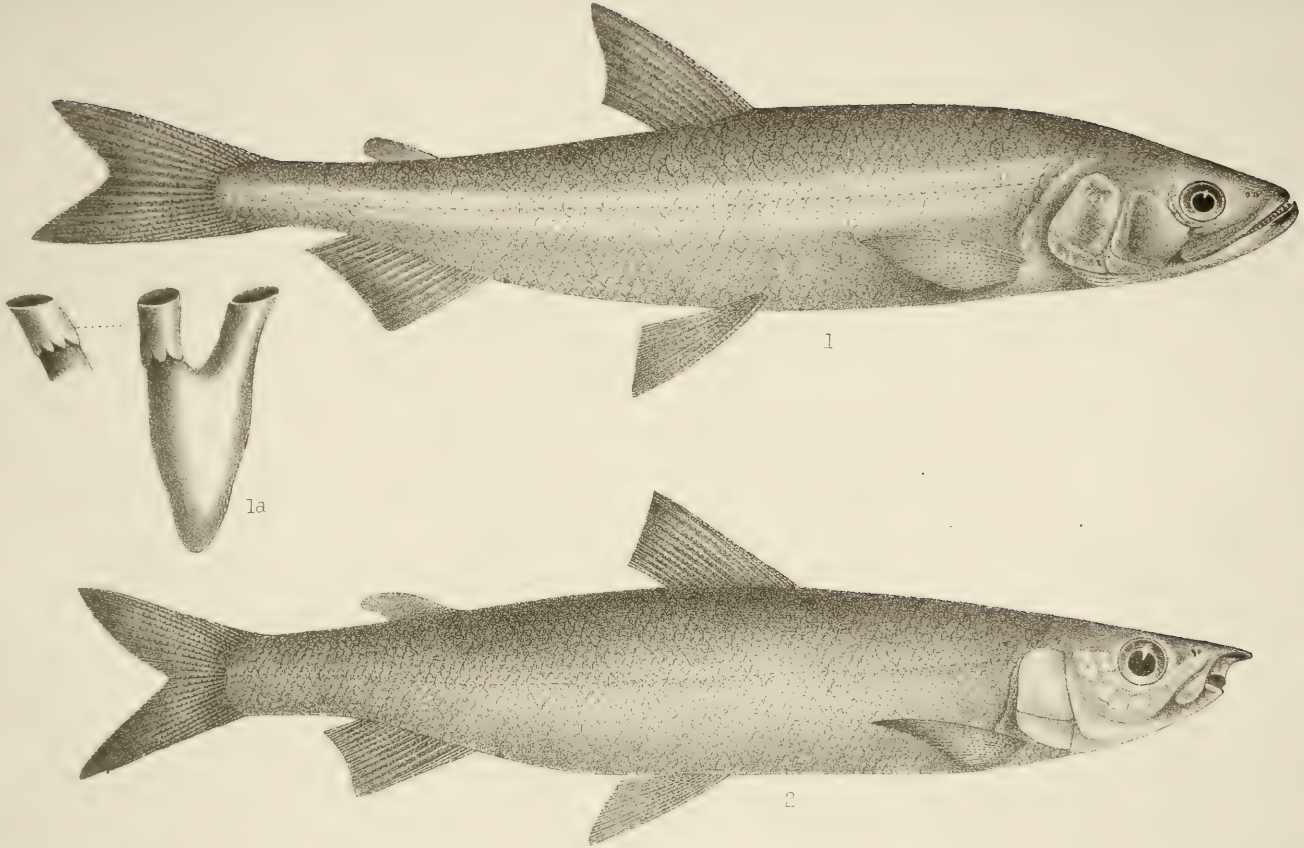
Hanhart imp.

1. SALMO ALPINUS (VARIETY, S. GRAYII) 2. (VARIETY, S. PERISII.)

F.Day del A.Hammond lith.

Hanhart imp.

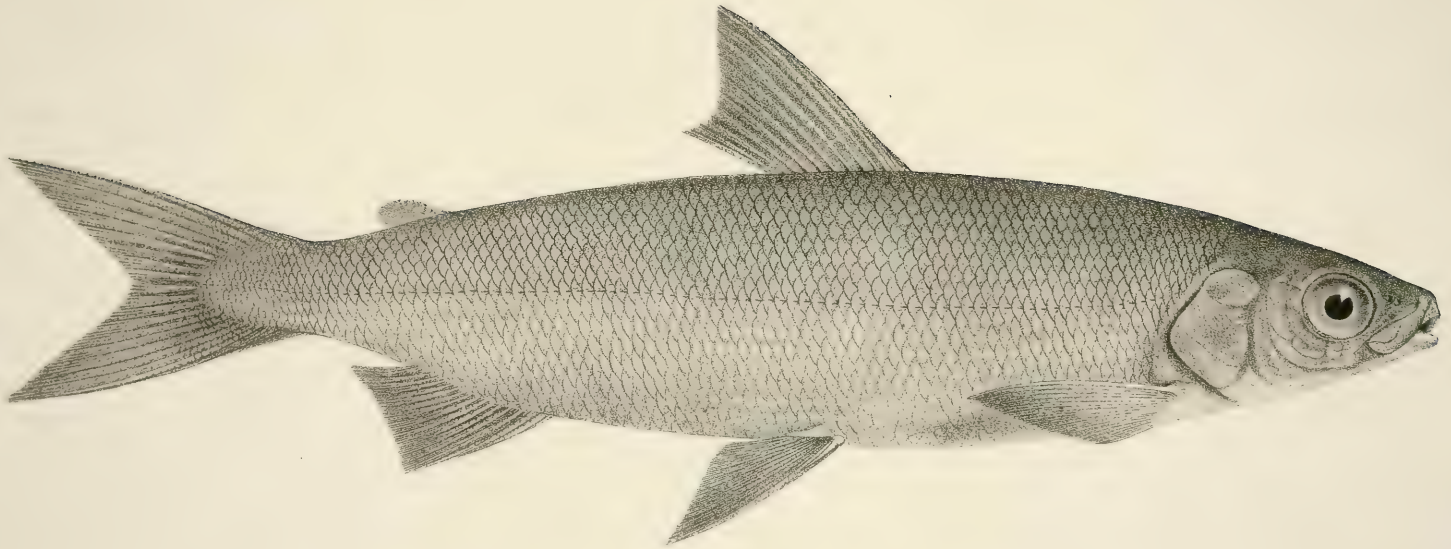
1 SALMO FONTINALIS 2. S. FONTINALIS (REARED IN AQUARIUM.)



F.Jay del. A.Hammond lith.

Hanhart imp.

1. OSMERUS EPERLANUS 1a. STOMACH & CÆCAL APPENDAGES, 2. COREGONUS OXYRHYNCHUS.



F Day del. C Achilles lith.

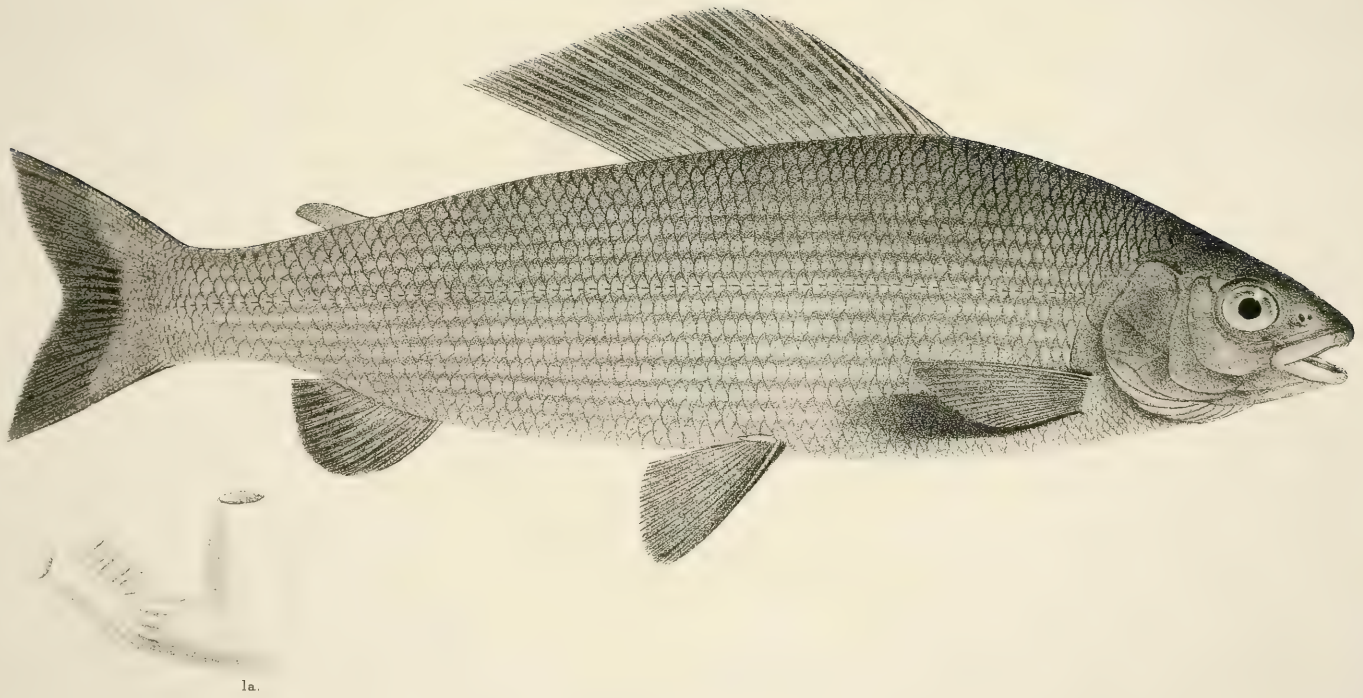
Mintern Bros. imp.

COREGONUS CLUPEOIDES

F Day del A Hammond lith

Hanhart imp

1 COREGONUS VANDESIUS, 2 C POLLAN

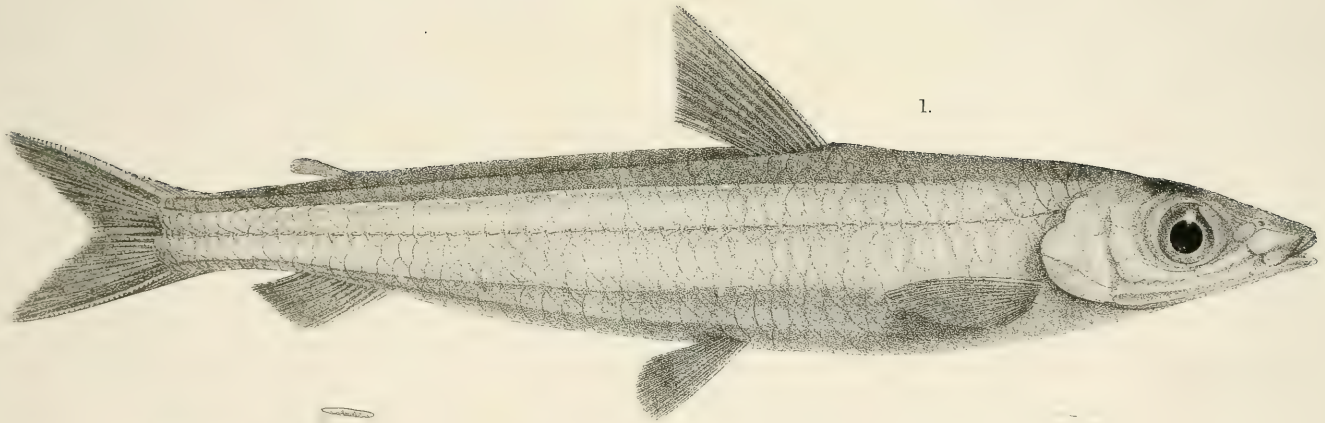


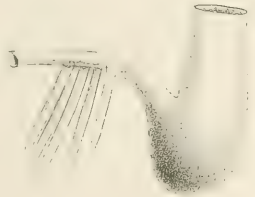
1a.

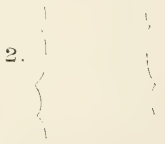
F. Day del. C. Achilles lith.

THYMALLUS VULGARIS.
1a. Stomach and cæcal appendages.

Mintern Bros. imp





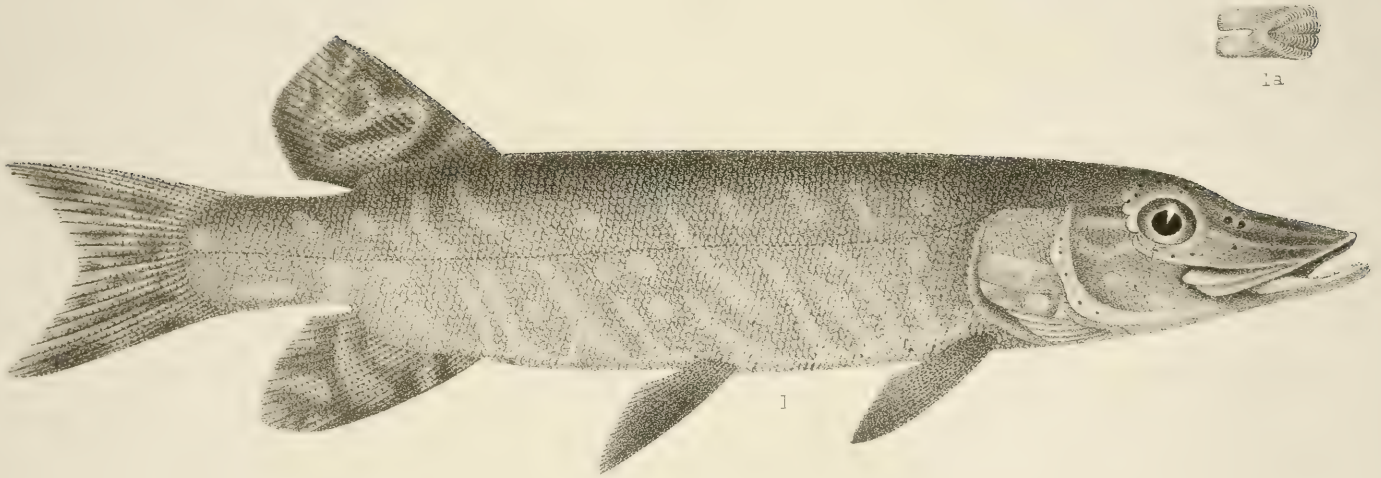


F.Day del. C.Achilles lith

Mintern Bros. imp.

ARGENTINA SPHYRÆNA.

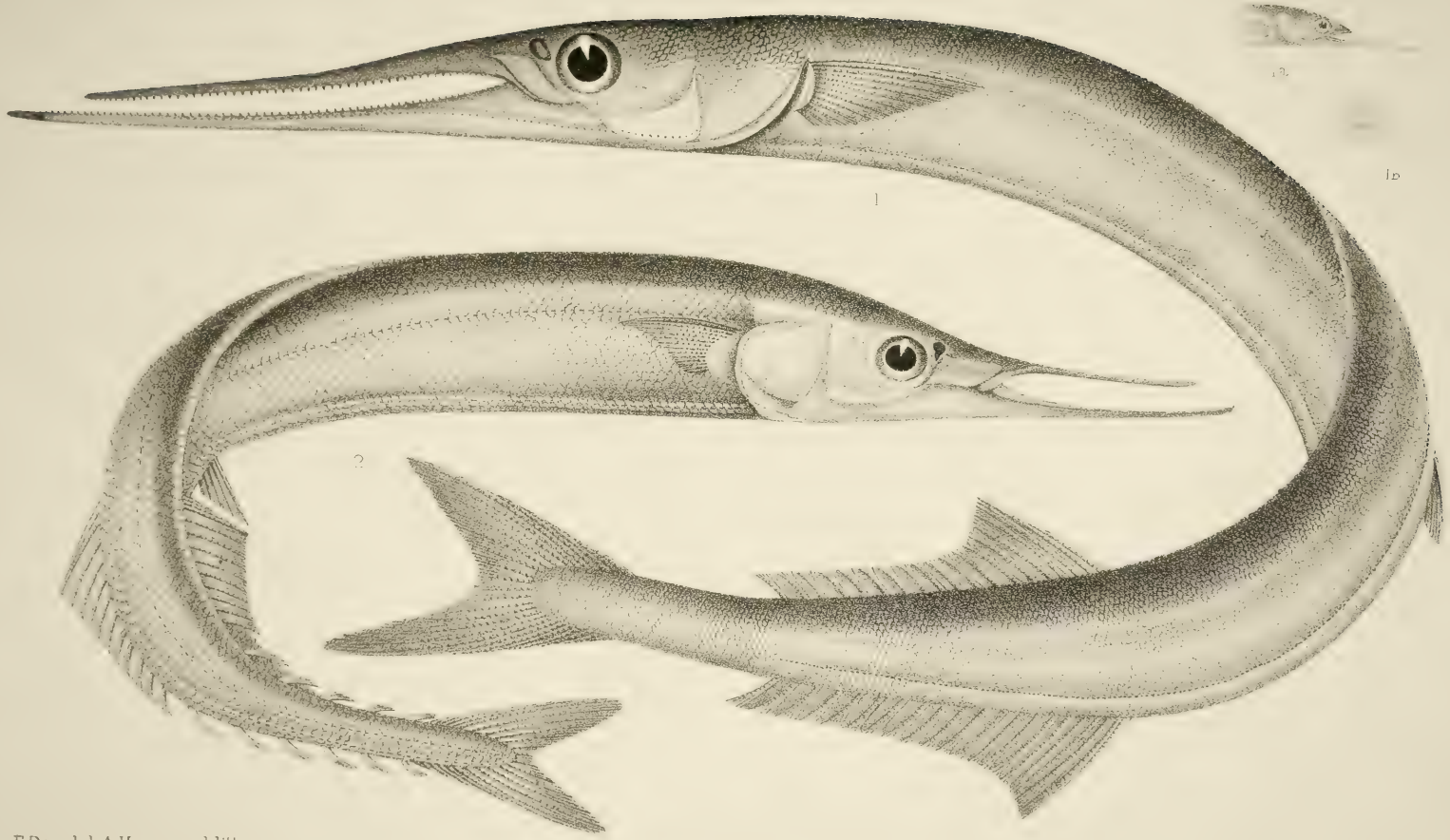
2.Section of body. 3.Stomach and cæcal appendages.



F.Day del. A.Hammond lith.

Hanhart imp.

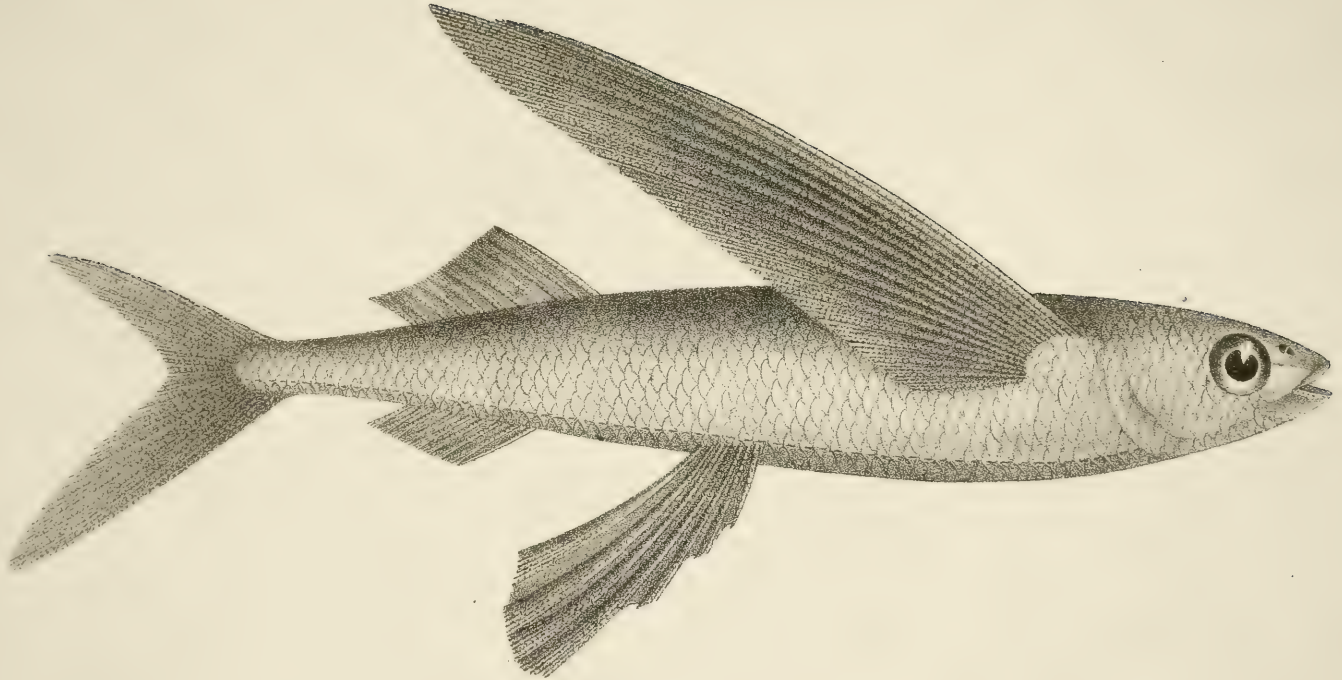
1. ESOX LUCIUS, 1a SCALE.



F.Day del A.Hammond lith.

Hanhart imp

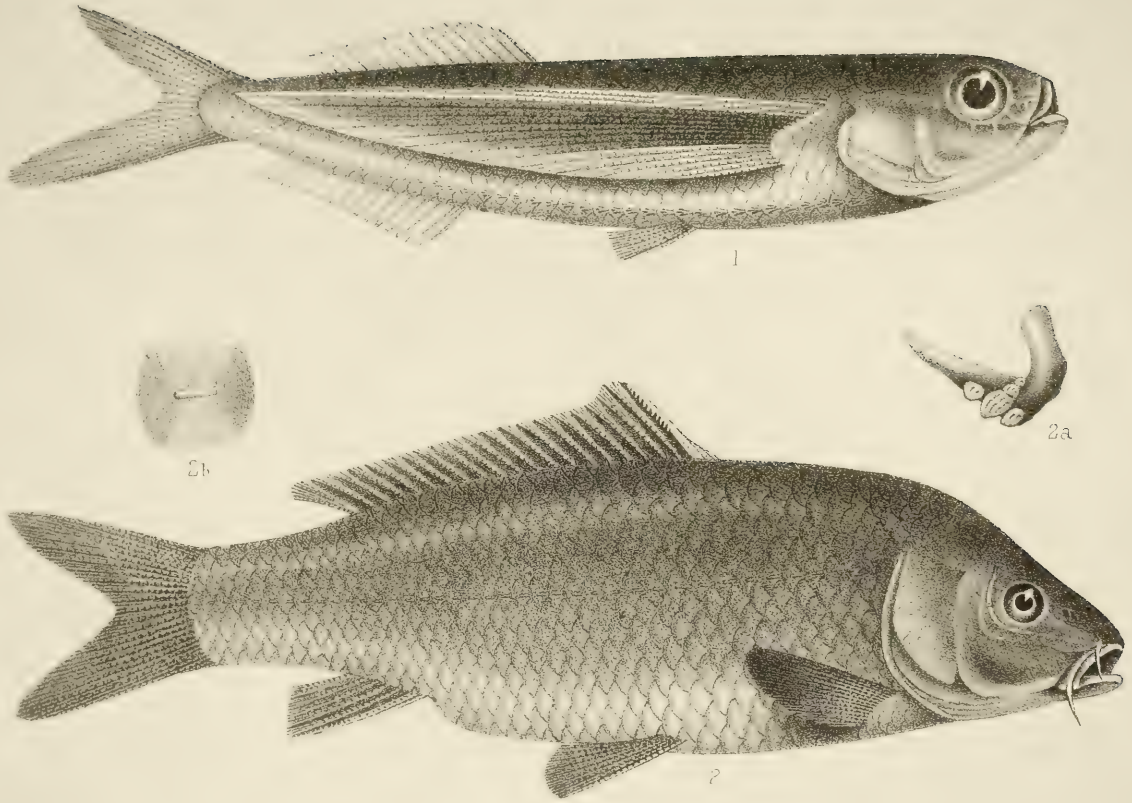
1. BELONE VULGARIS. 1a YOUNG.(?) 1.b EGG (MAGNIFIED)
2. SCOMBRESOX SAURUS



F. Day del. A. Hammond lith

Hanhart imp.

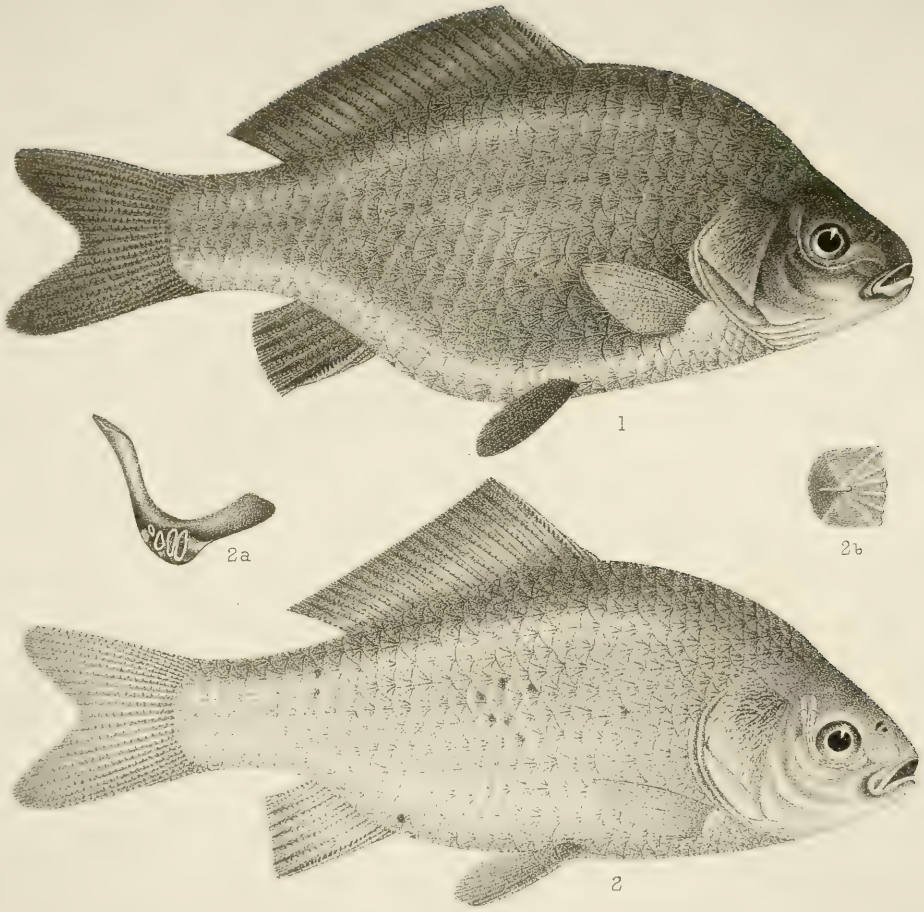
EXOCŒTUS VOLITANS.



F. Day del. A. Hammond lith.

Hanhart imp.

1. EXOCŒTUS EVOLANS. 2. CYPRINUS CARPIO. 2a. PHARYNGEAL TEETH. 2b. SCALE.



F. Day del. A. Hammond lith.

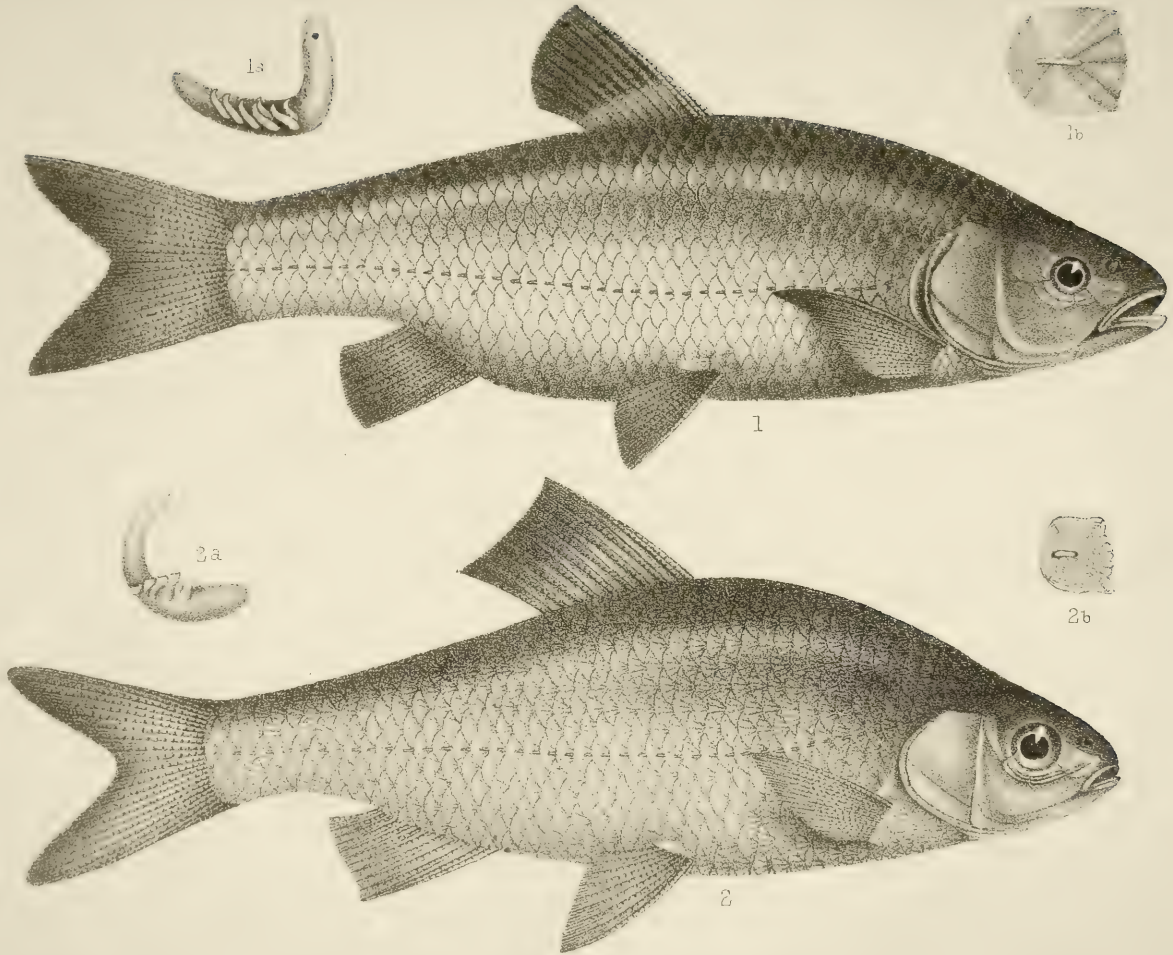
Hanhart imp.

1. CARASSIUS VULGARIS 2, C. AURATUS, 2a PHARYNGEAL TEETH, 2b. SCALE.

F.Day del A.Hammond lith.

Hanhart imp.

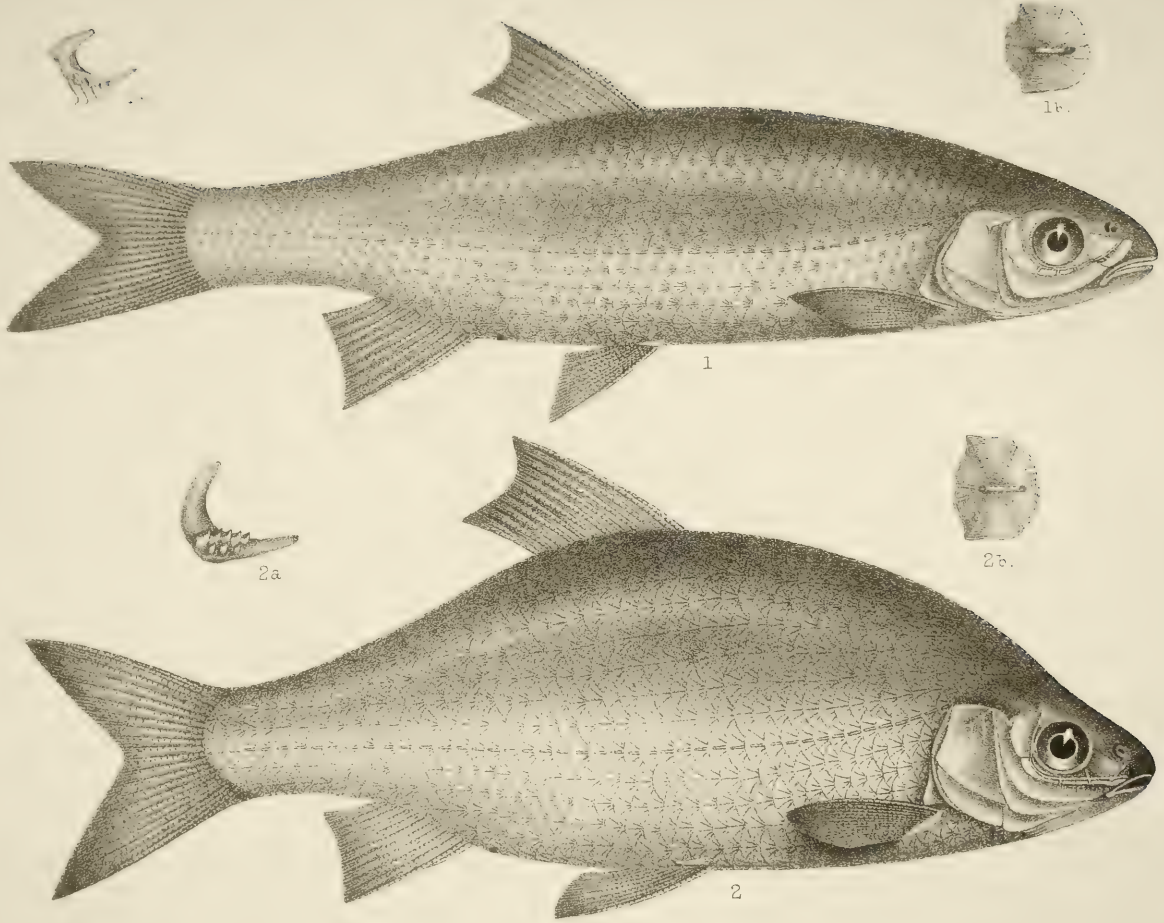
1. BARBUS VULGARIS, 1a. PHARYNGEAL TEETH, 1b. SCALE.
2. GOBIO FLUVIATILIS, 1a. PHARYNGEAL TEETH, 1b. SCALE.



F. Day del. A. Hammond lith.

Hanhart imp.

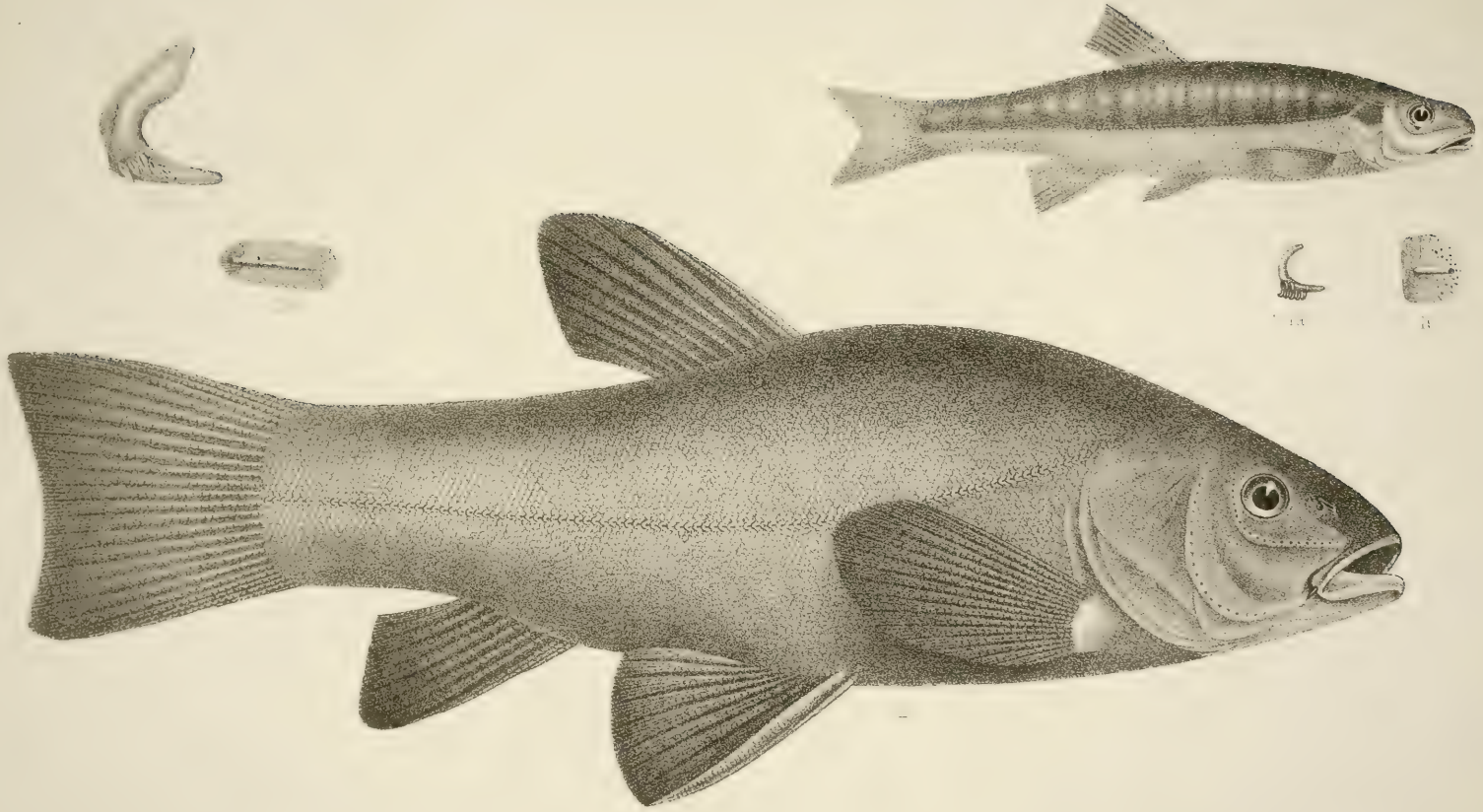
1. LEUCISCUS CEPHALUS, 1a. PHARYNGEAL TEETH, 1b. SCALE.
2. LEUCISCUS RUTILUS, 2a. PHARYNGEAL TEETH, 2b. SCALE.



F.Day del. A.Hammond lith.

Hanhart imp.

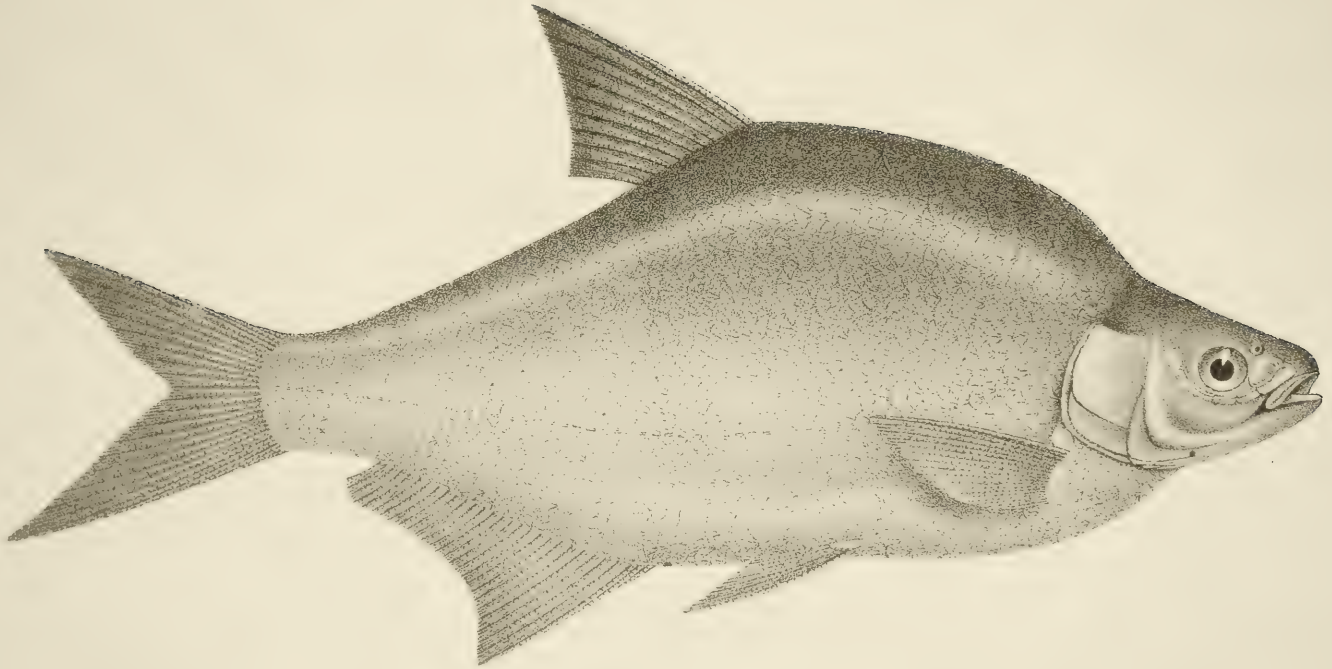
1.LÆUCISCUS VULGARIS. 1a.PHARYNGEAL TEETH, 1b.SCALE.
2.L.ERYTHROPHTHALMUS, 2a.PHARYNGEAL TEETH, 2b.SCALE.



F.Day del A.Hammond lith.

Hanhart imp.

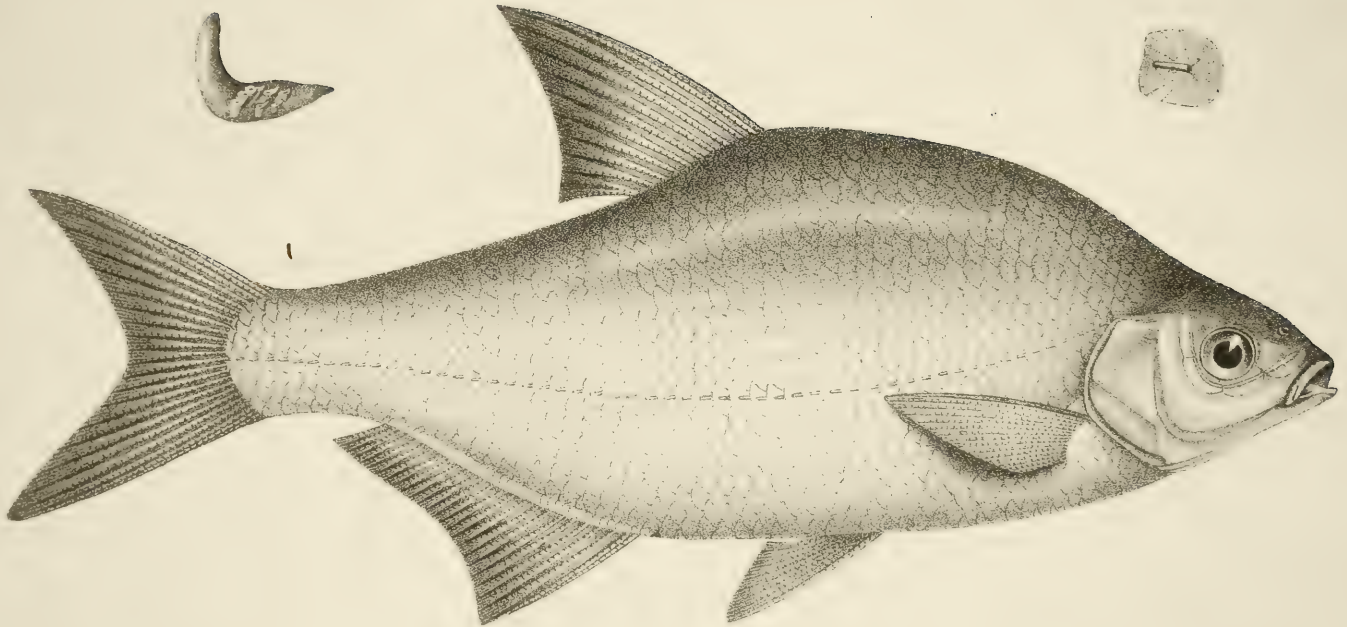
1. LEUCISCUS PHOXINUS, 1a. PHARYNGEAL TEETH, 1b. SCALE
2. TINCA VULGARIS 2a. PHARYNGEAL TEETH 2b. SCALE



F. Day del. A. Hammond. lith.

Hanhart imp.

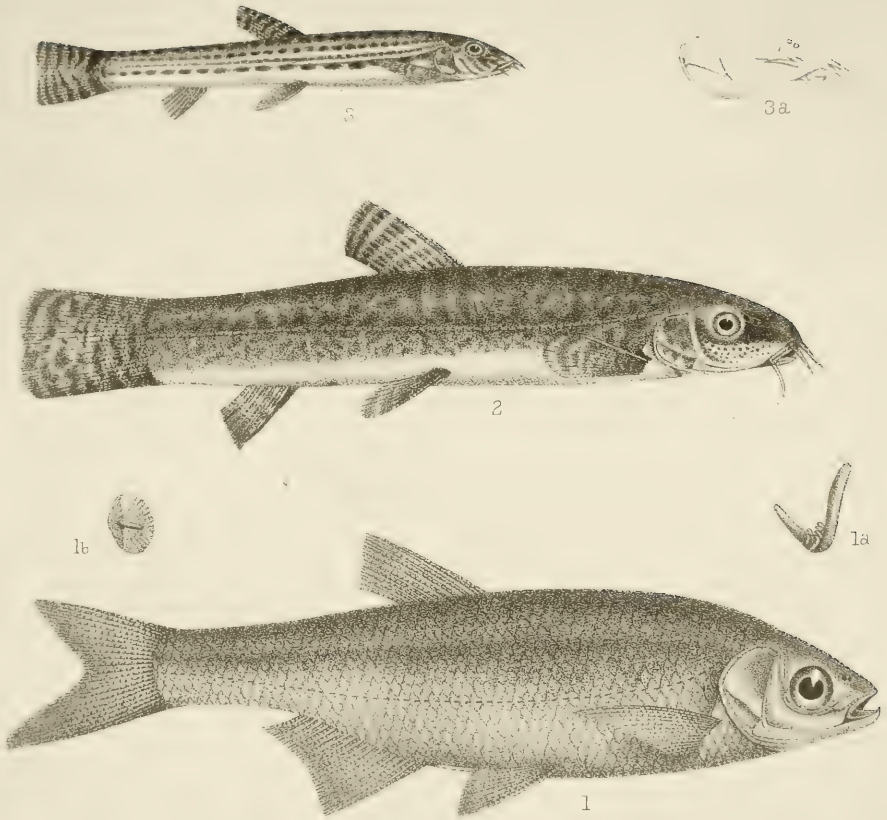
ABRAMIS BRAMA.



F.Day del. A.Hammond lith.

Hanhart imp.

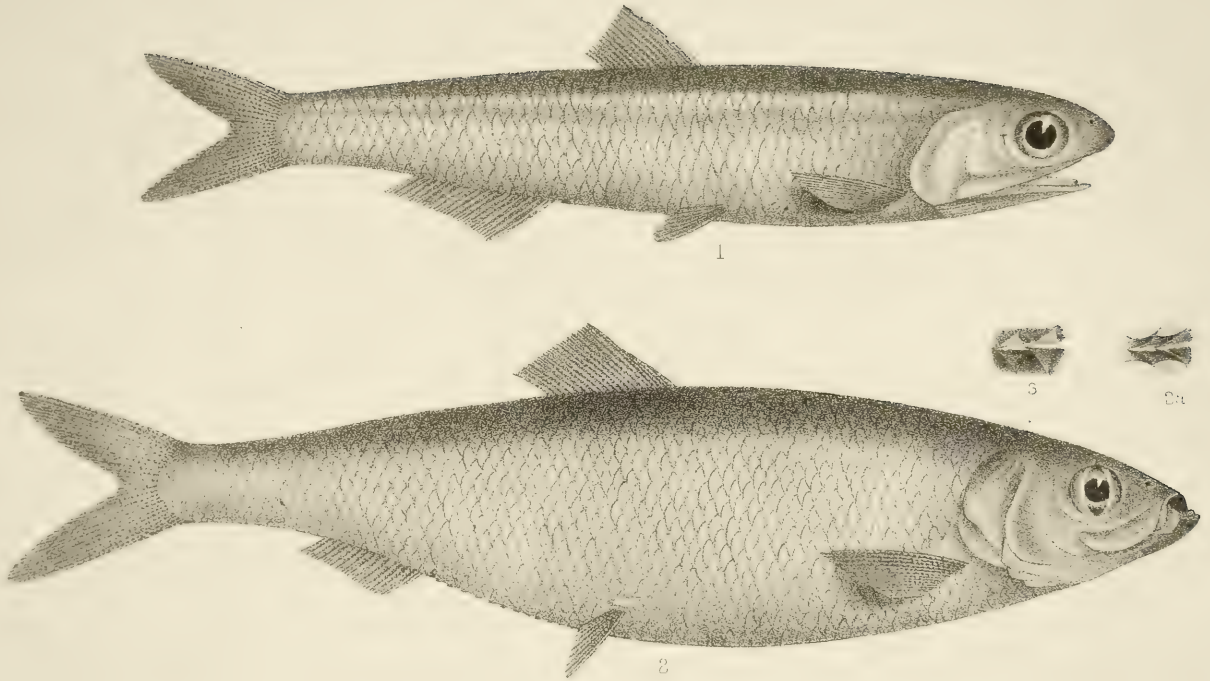
ABRAMIS BLICCA.



F.Fox del.A.Hammond lith.

Hanhart imp.

1. ALBURNUS LUCIDUS, 1a. PHARYNGEAL TEETH, 1b. SCALE
2. NEMACHEILUS BARBATULA, 3. COBITIS TÆNIA.



T.Day del. A Hammond lith.

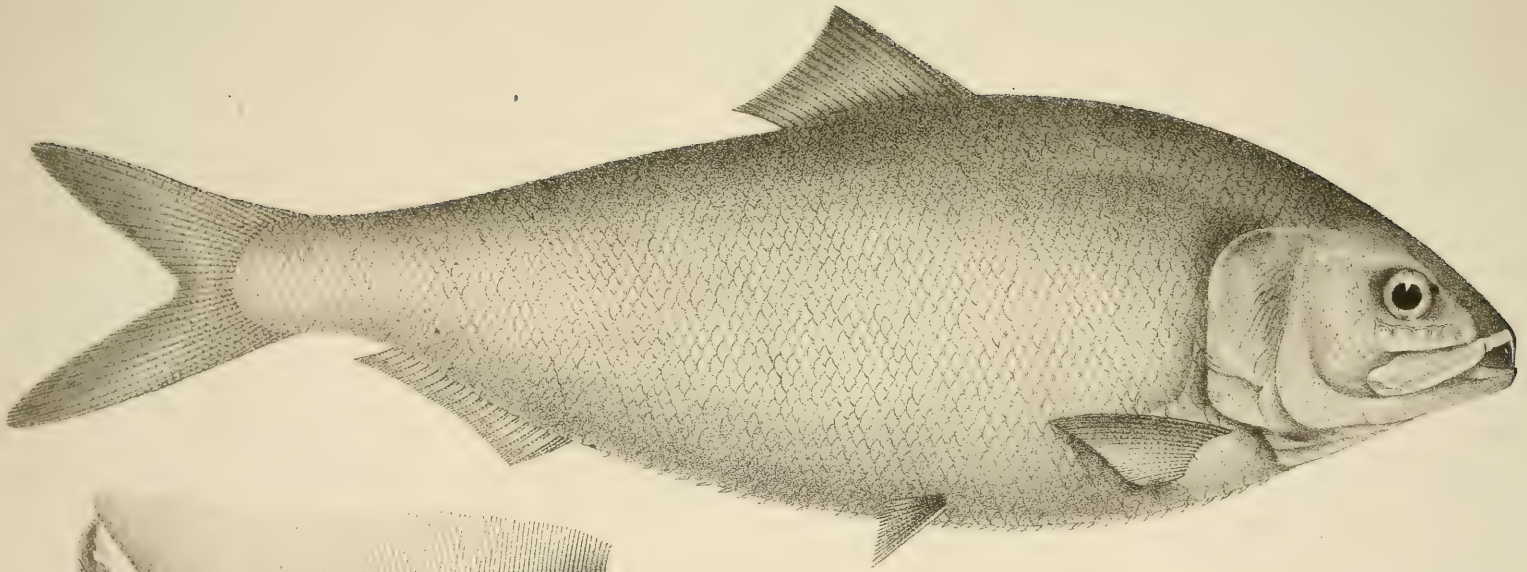
Hanhart imp.

1. ENGRAULIS ENCRASICHOLUS. 2. CLUPEA HARENGUS.
2a. keeled scales. 3. clupea sprattus keeled scales.
along abdominal edge.

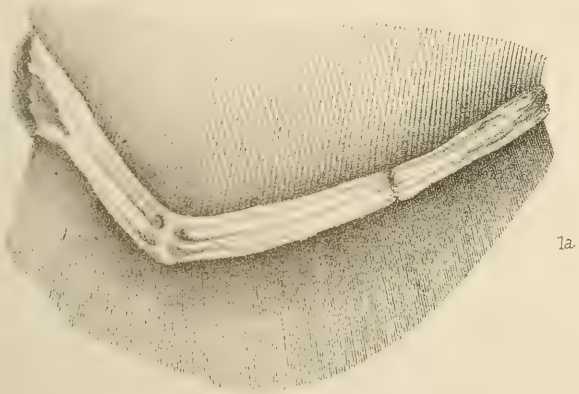
F.Day del. A.Hammond lith.

Hanhart imp

1. CLUPEA PILCHARDUS 1a. STOMACH AND FOOD. 2. C. SPRATTUS.
2a. STOMACH CŒCAL APPENDAGES AND AIR BLADDER.



1

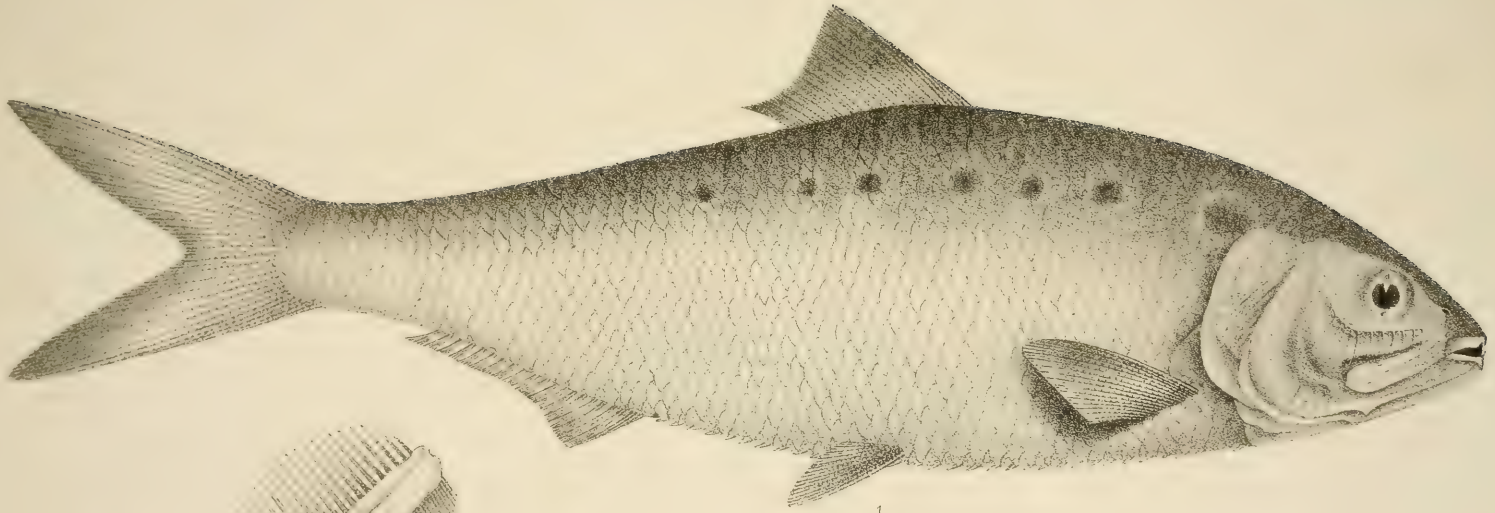


1a

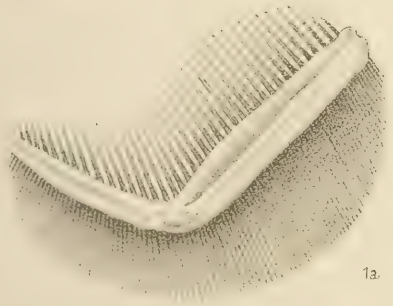
F Day del. A Hammond lith.

Hanhart imp.

1 CLUPEA ALOSA 1a OUTER ARCH OF GILL.



1

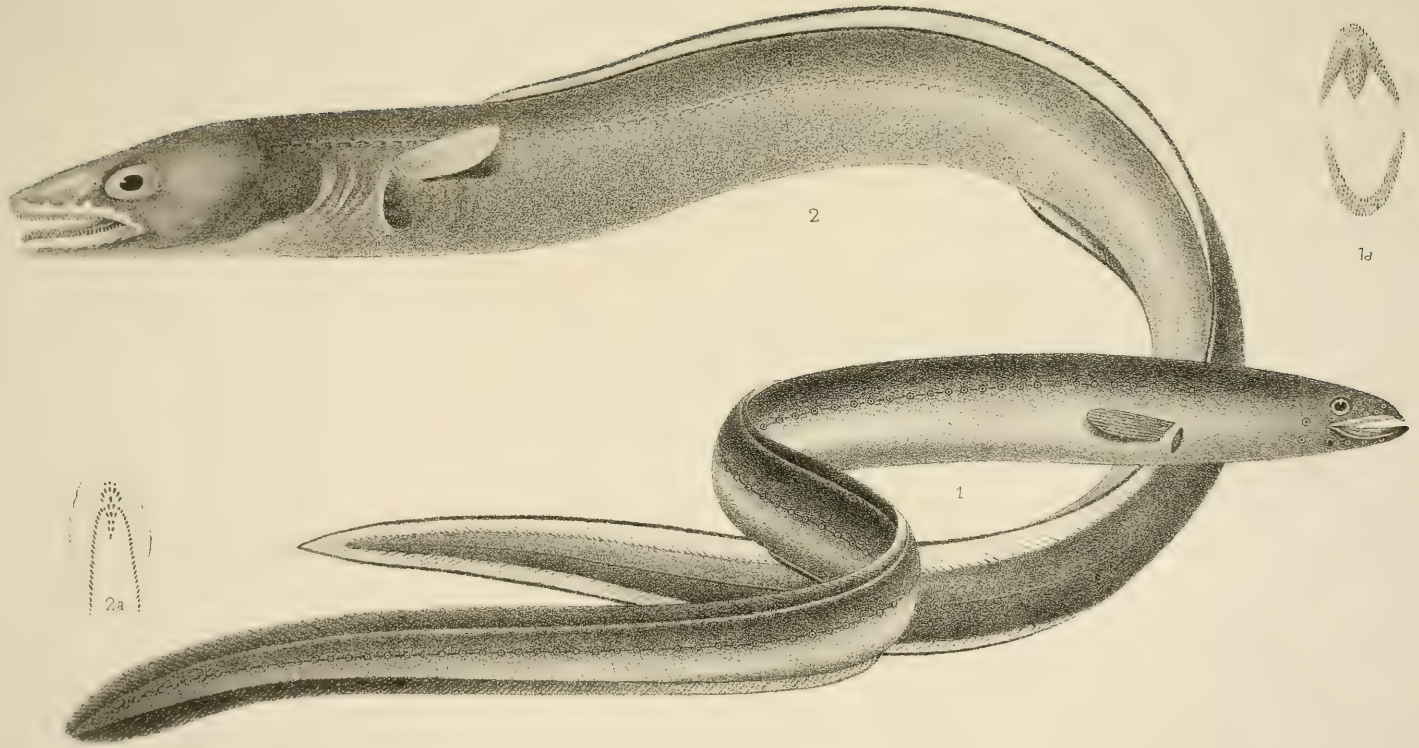


1a

F.Day del. A.Hammond lith

Hanhart imp

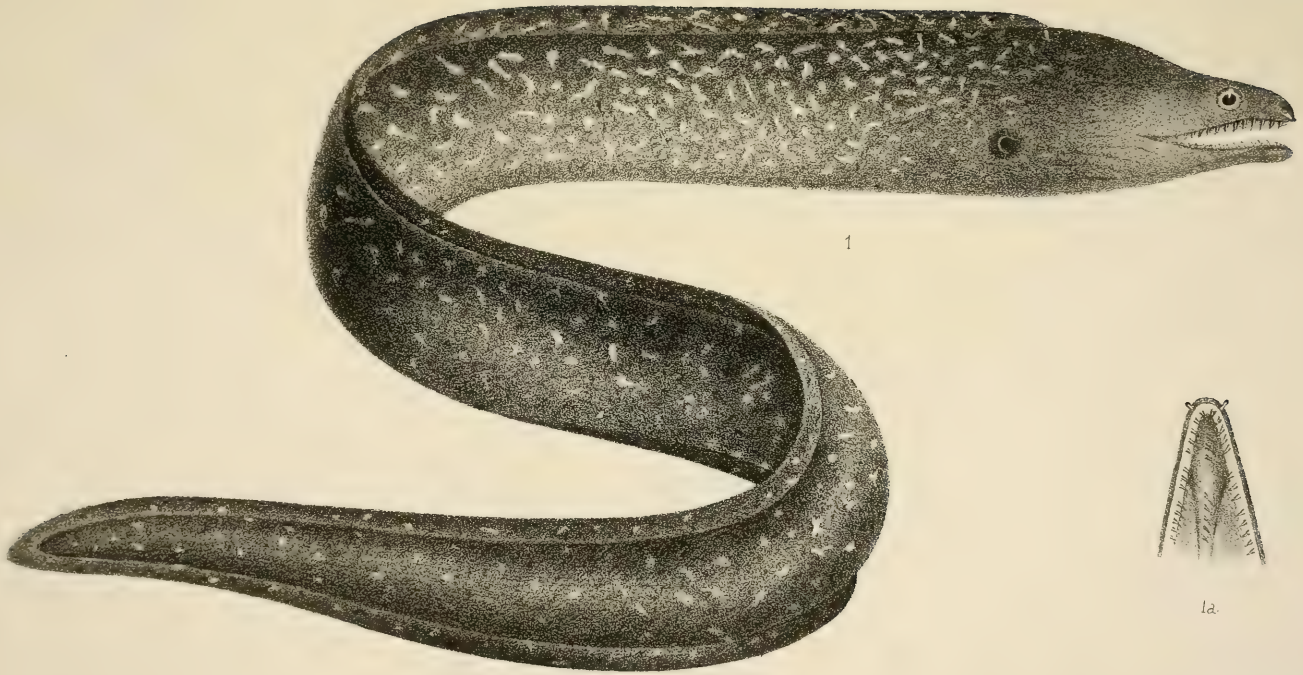
1 CLUPEA FINTA. 1a OUTER ARCH OF GILL.



F.Day del A.Hammond lith.

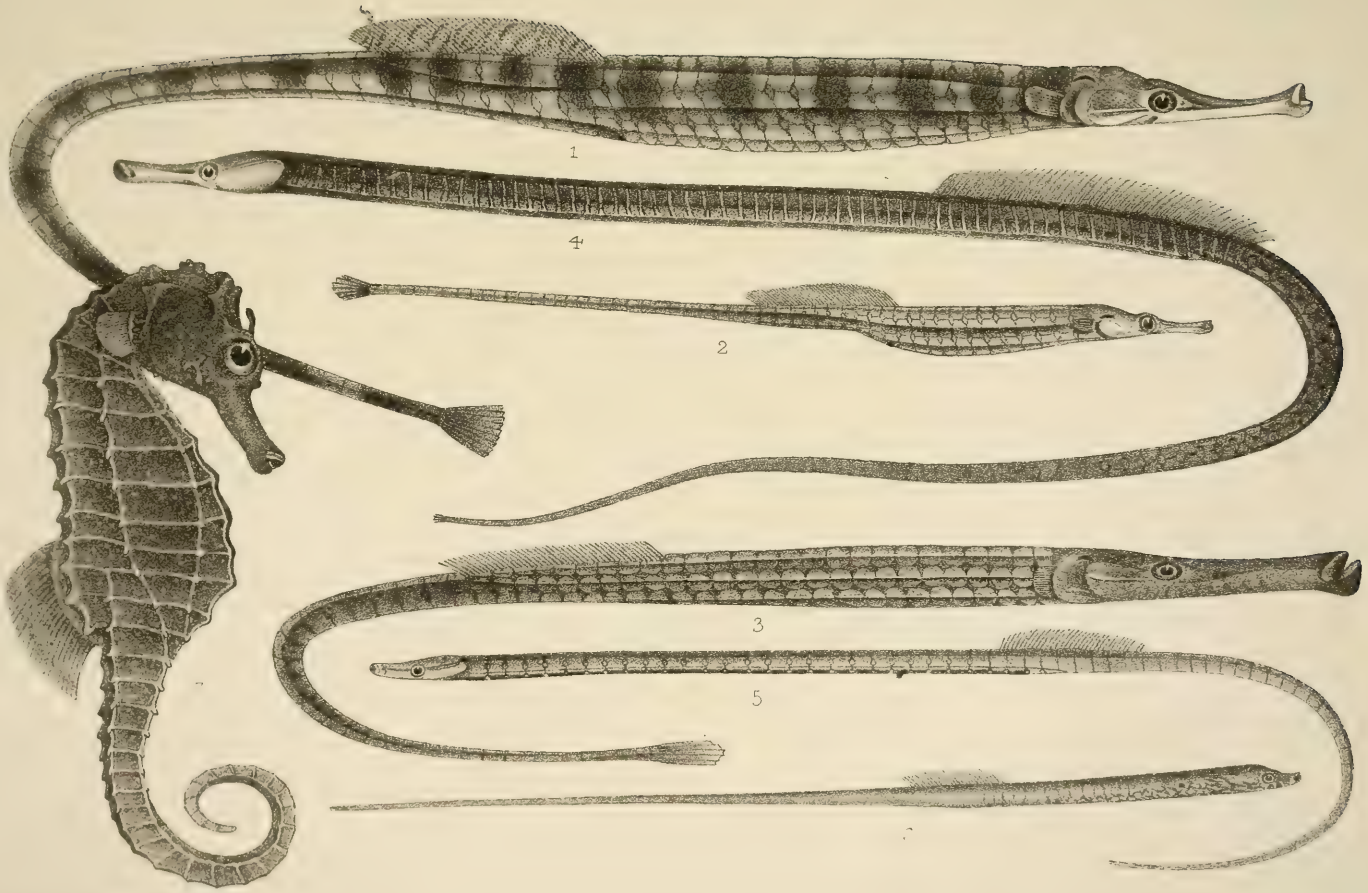
Hanhart imp.

1.ANGUILLA VULGARIS 1a. TEETH.
2.CONGER VULGARIS 2a. TEETH.



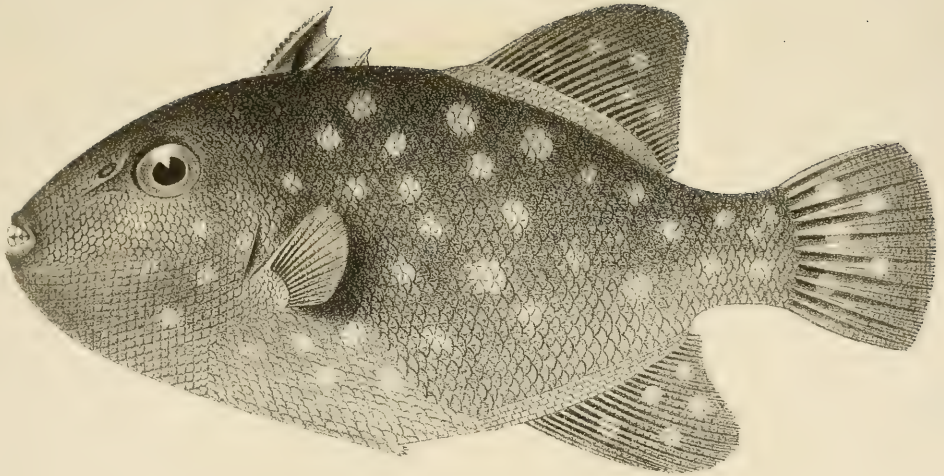
Hanhart imp

MURŒNA HELENA. 1a PALATE.



ay del. A Hammond lith

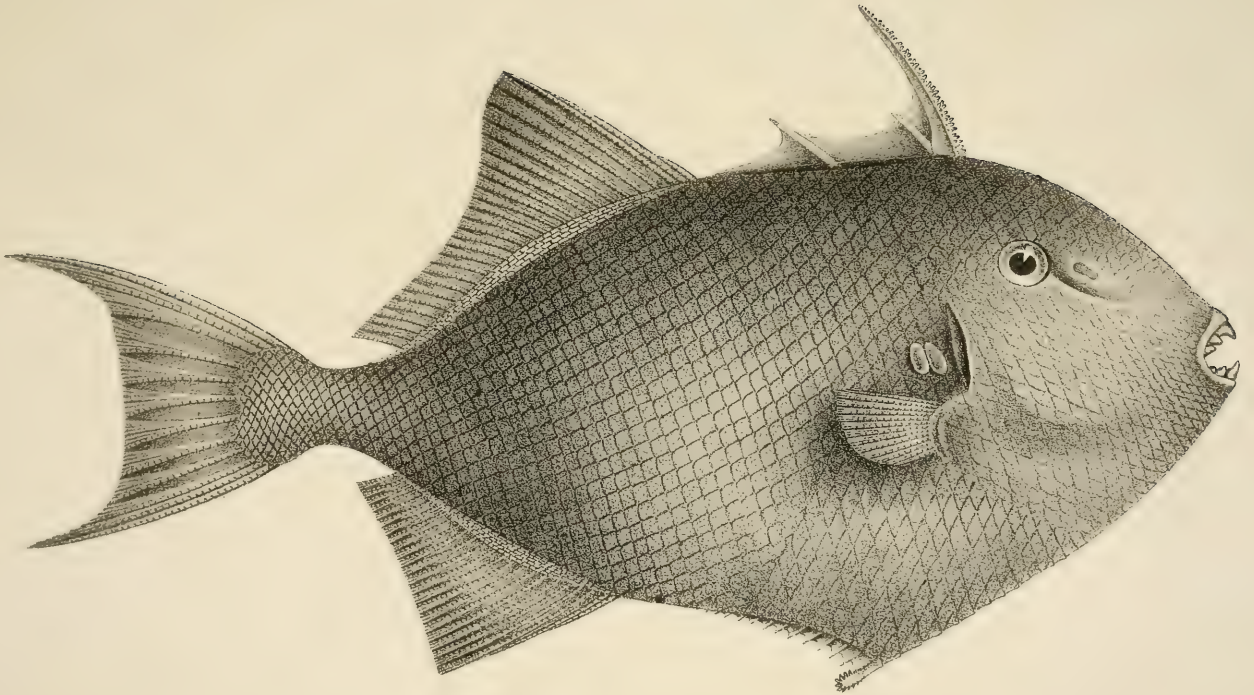
1 SYNGNATHUS ACUS. 2. S. ACUS (Young) 3. SIPHONOSTOMA TYPHLE
4 NEROPHIS ÆQUOREUS 5. N. OPHIDION 6. N. LUMBRICIFORMIS
7 HIPPOCAMPUS ANTIQUORUM

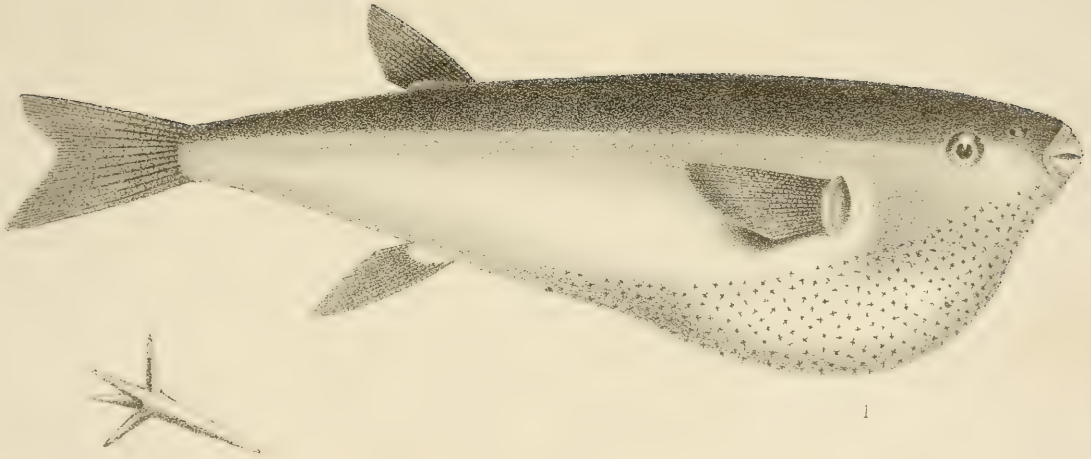


Hammond lith

Hanhart imp

BALISTES MACULATUS





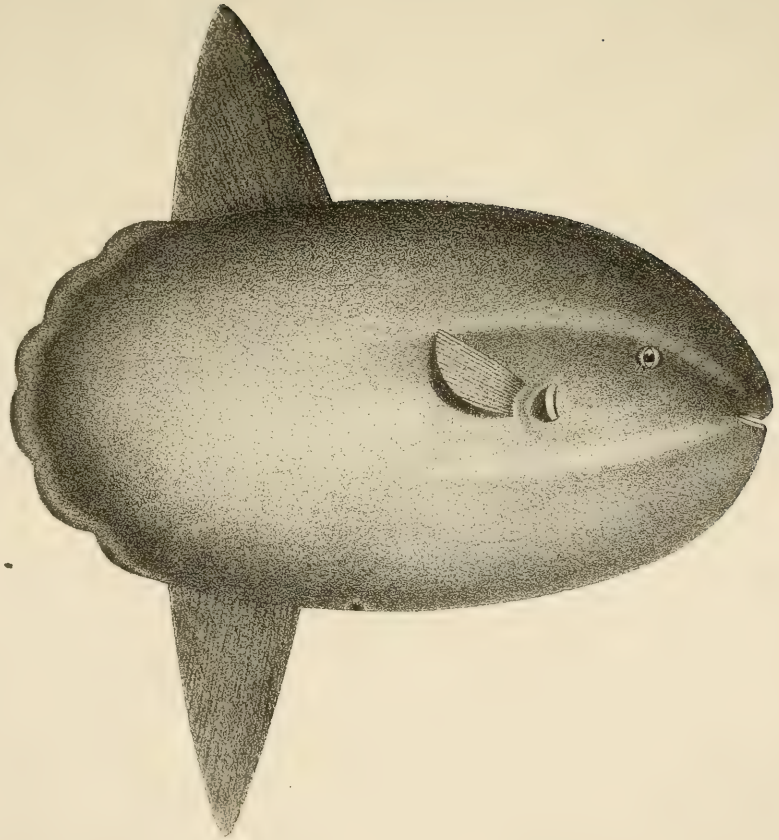
1

1a

F Day del. A Hammond lith.

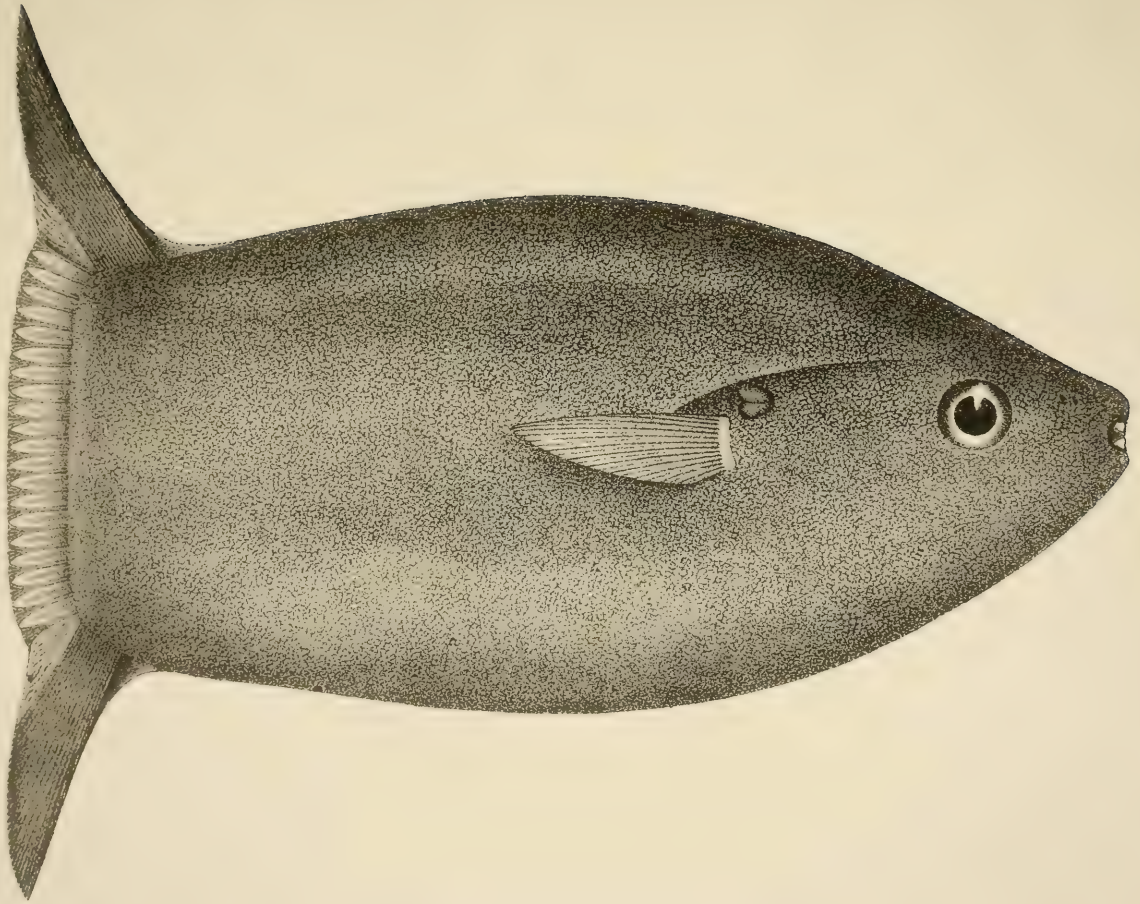
Hanhart imp

1. TETRODON LAGOCEPHALUS 1a. DERMAL SPINE



Hanhart imp

ORTHAGORISCUS MOLA.



J. Day del. et lith.

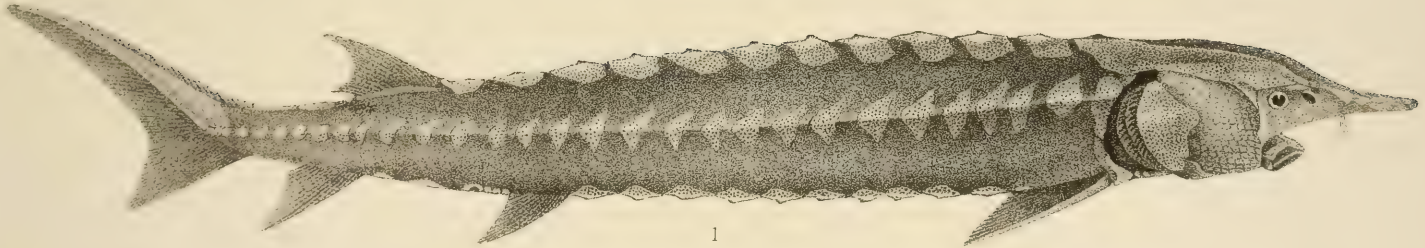
Hanhart imp

ORTHAGORISCUS TRUNCATUS.

2

1b.

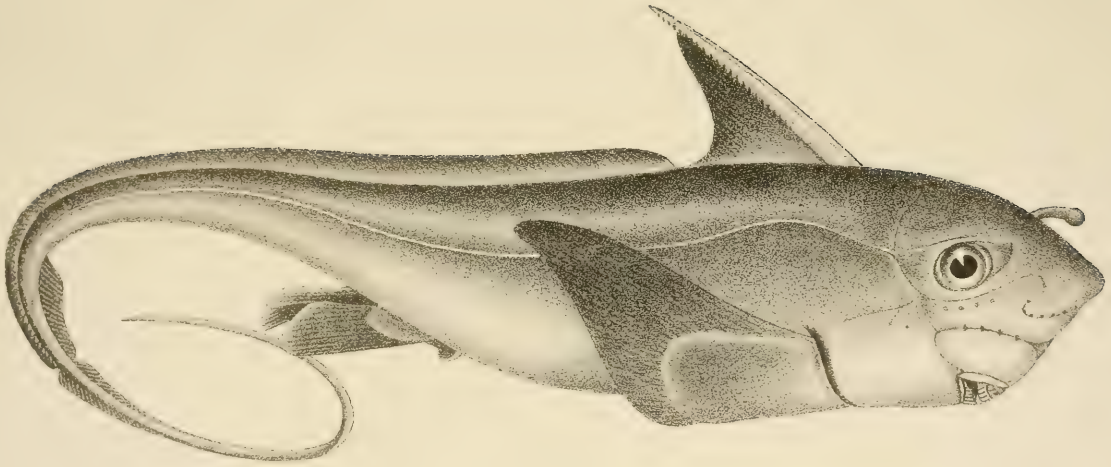
1a



1

Hanhart imp.

1. ACIPENSER STURIO.
1a. upper side of head, 1b. under side of head, 2. variety A. latirostris.



F.Day del. A.Hammond lith

Hanhart imp

CHIMŒRA MONSTROSA

1

1a

1b

Hanhart imp

1 CARCHARIAS GLAUCUS 1a TEETH OF ADULT 1b TEETH OF YOUNG.

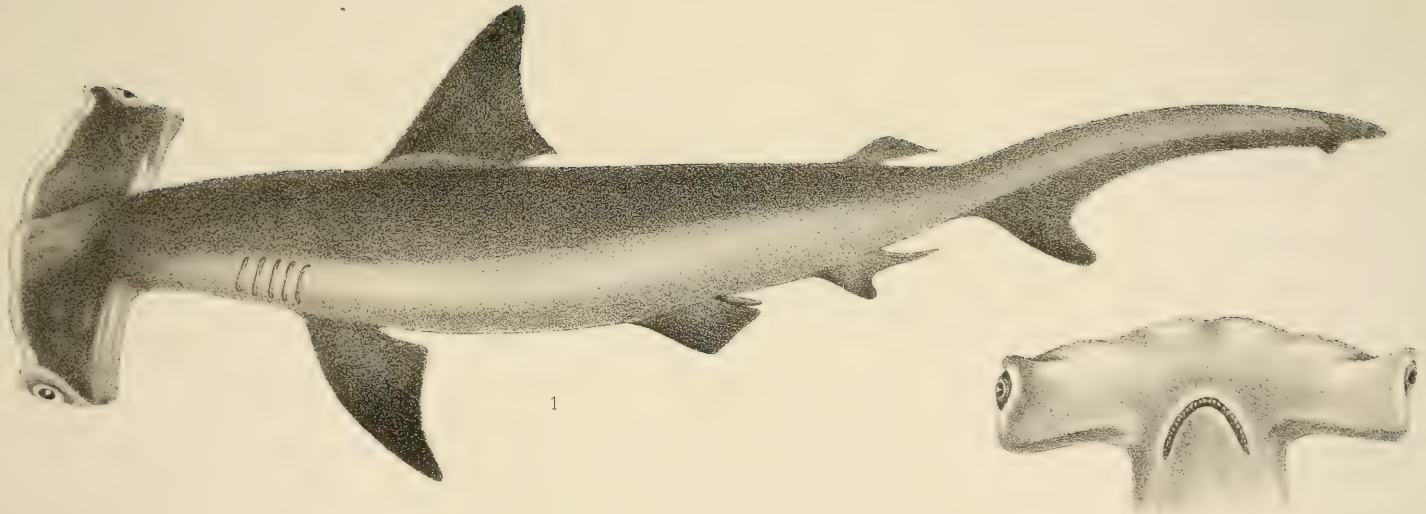
1b.

1a.

F.Day del. A.Hammond lith.

Hanhart imp.

GALEUS VULGARIS
1a. teeth. 1b. skin



1

1a

F.Day del. A.Hammond lith

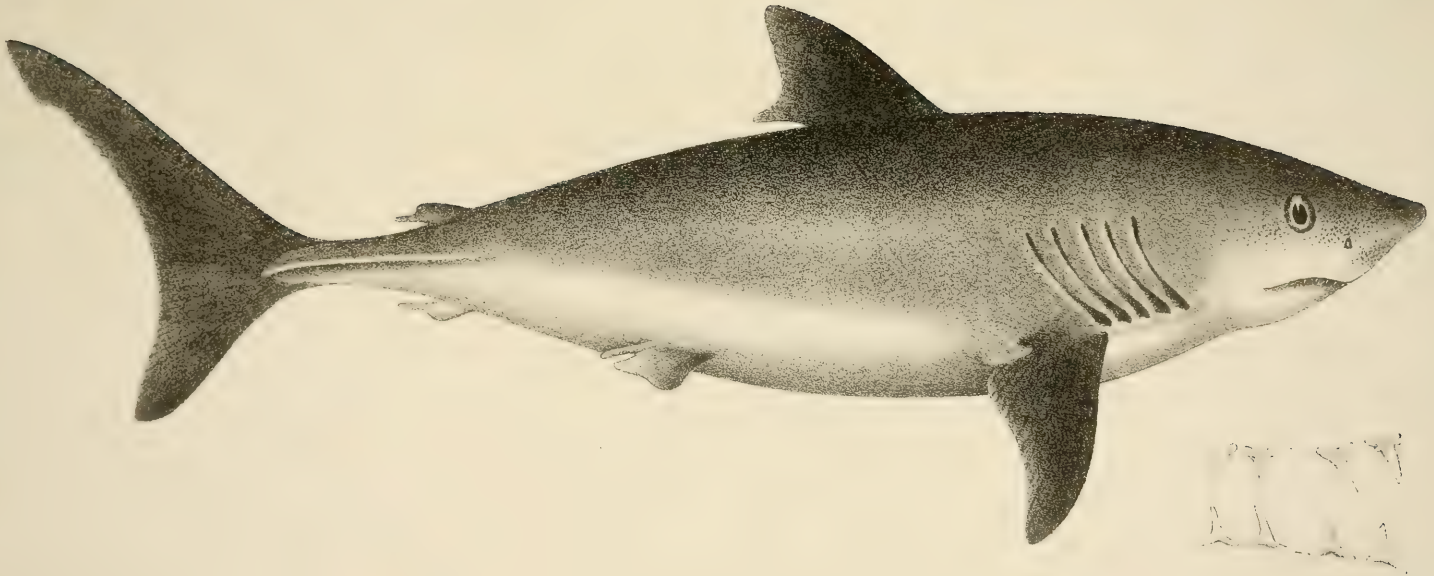
Hanhart imp

1. ZYGŒNA MALEUS 1a. UNDER SURFACE OF HEAD.

F.Day del. A. Iammond lith.

Hanhart imp.

1. MUSTELUS VULGARIS.
1a. under view of head, 1b. teeth.



Hanhart imp

LAMNA CORNUBICA

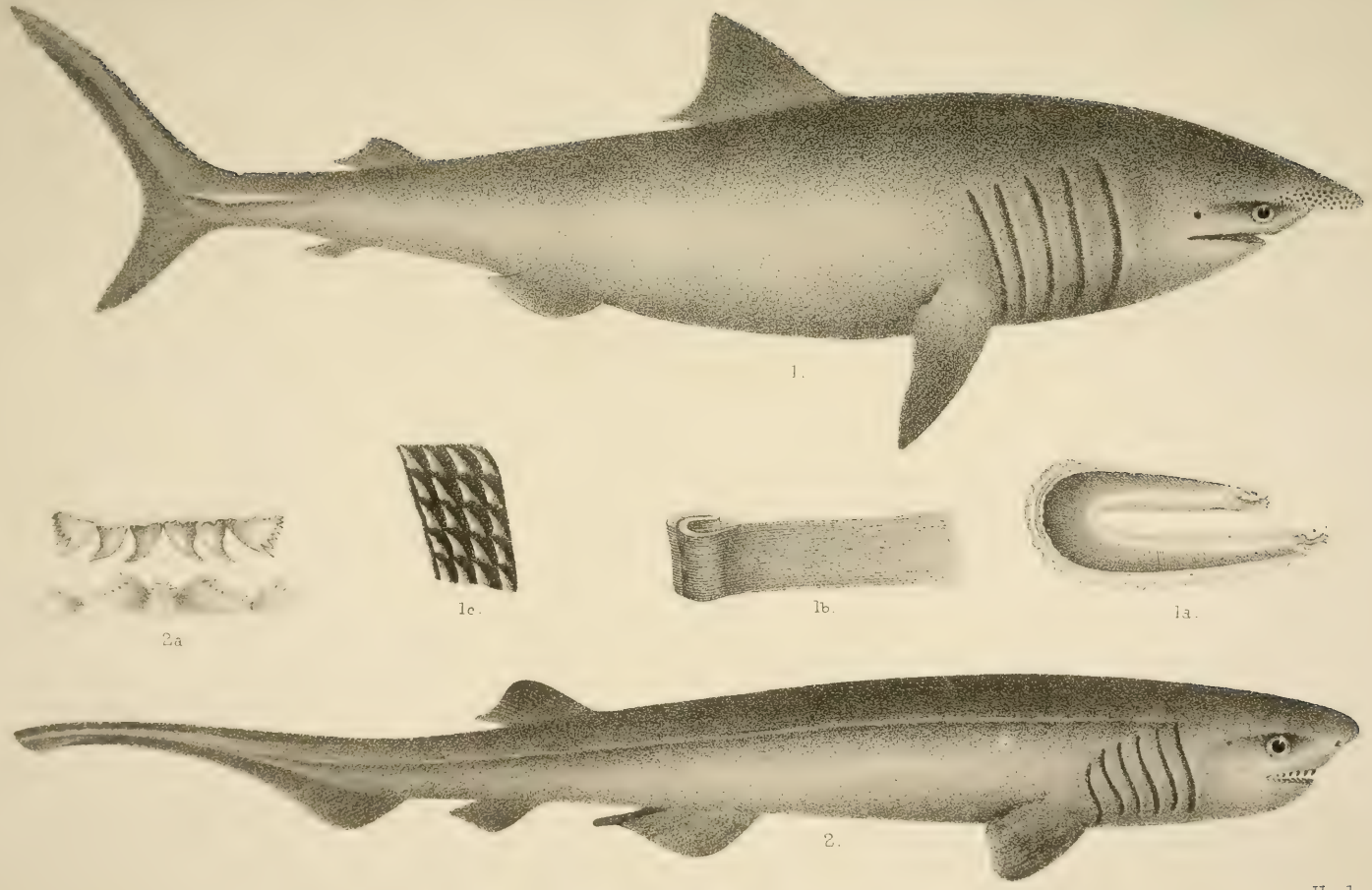
1a.

F. Day del. A. Hammond lith.

Hanhart imp.

ALOPIAS VULPES.

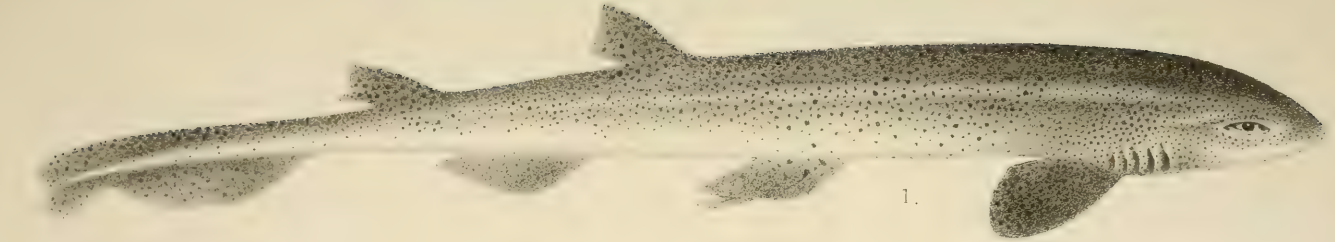
1a. teeth.

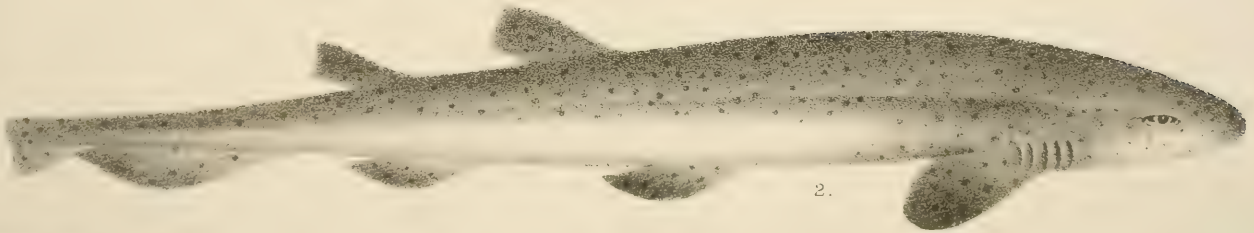


F Day del. A Hammond lith.

Hanhart imp.

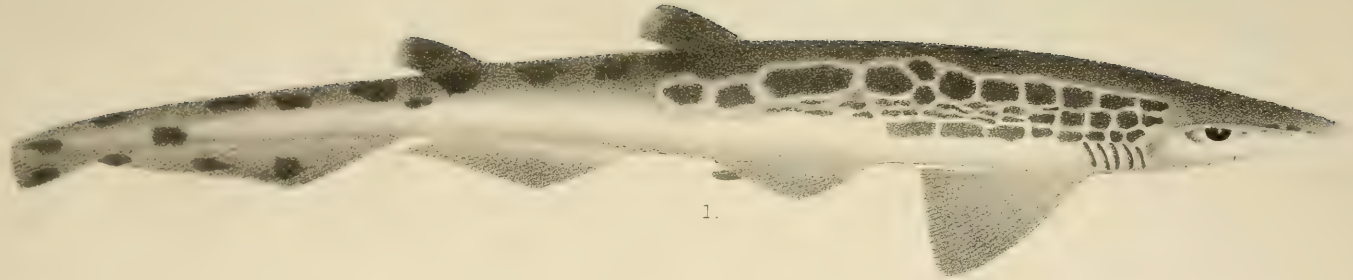
1. SELACHE MAXIMA. 2. NOTIDANUS GRISEUS.
1a. Gill rakers 1b. the same detached, 1c. teeth 2a. teeth.





1. SCYLLIUM CANICULA. 2. S. CATULUS.

1a. under side of head. 1b. egg case with front wall removed showing embryo. 1c. skin. 2a. under side of head.



1.

2b.

2a.

1d.

1b.

1c

1a.

2.

F.Day del.& Hemmons lith.

Hanhart imp.

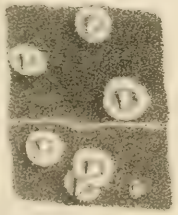
1. PRISTIURUS MELANOSTOMUS. 2. ACANTHIAS VULGARIS.

1a. under side of head. 1b. tooth 1c. skin from caudat fin. 1d. egg case. 2a. under side of head. 2b. teeth.

CENTRINA SALVIANI

Hanhart imp.

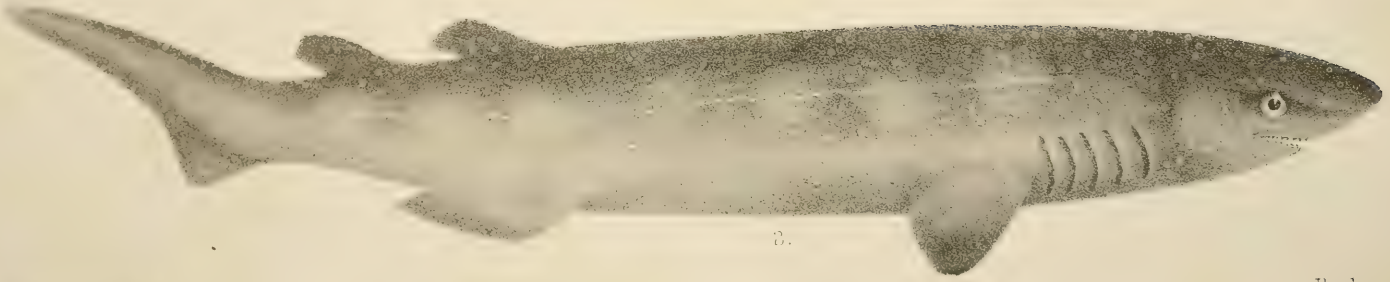
1.



2b.

2a.

1a

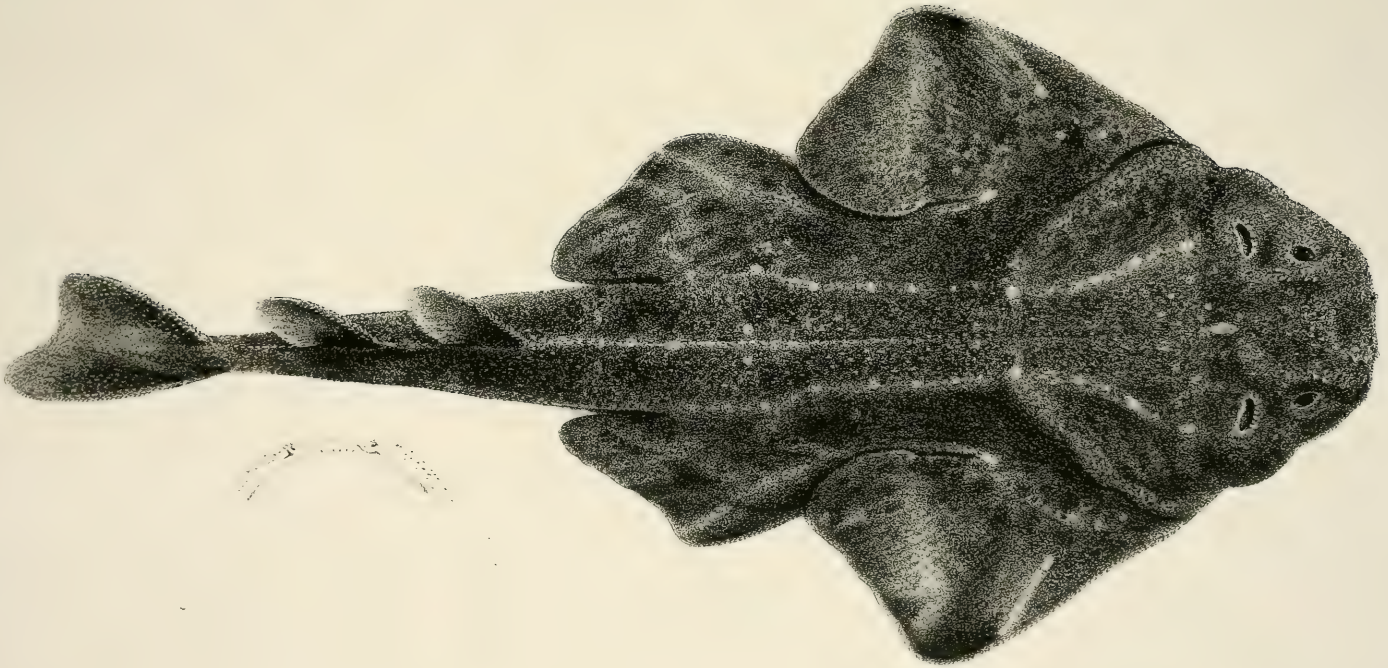


2.

Hanhart imp

. . . . . 2. ECHINORHINUS SPINOSUS.

1a. teeth 2a. teeth. 2b. skin.

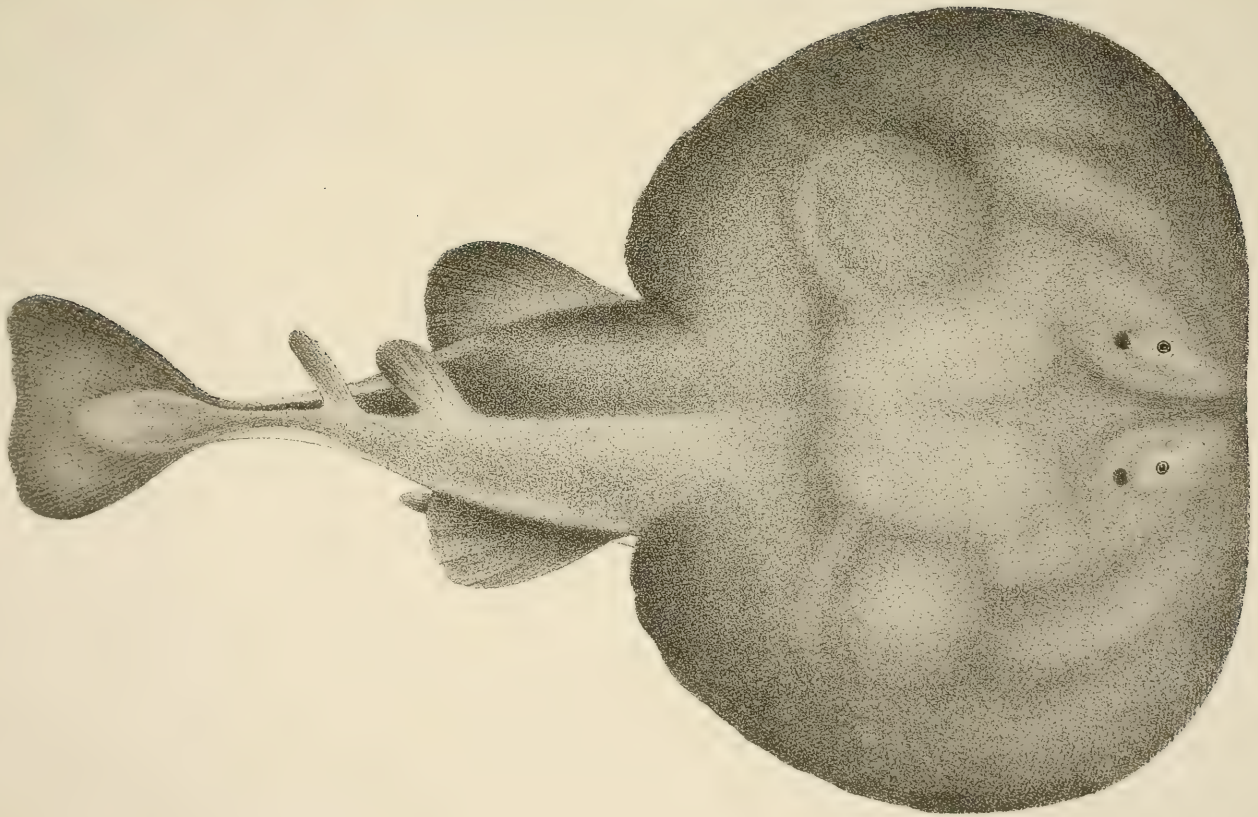


1a.

F. Day del. C Achilles lith

RHINA SQUATINA
1a Under side of head

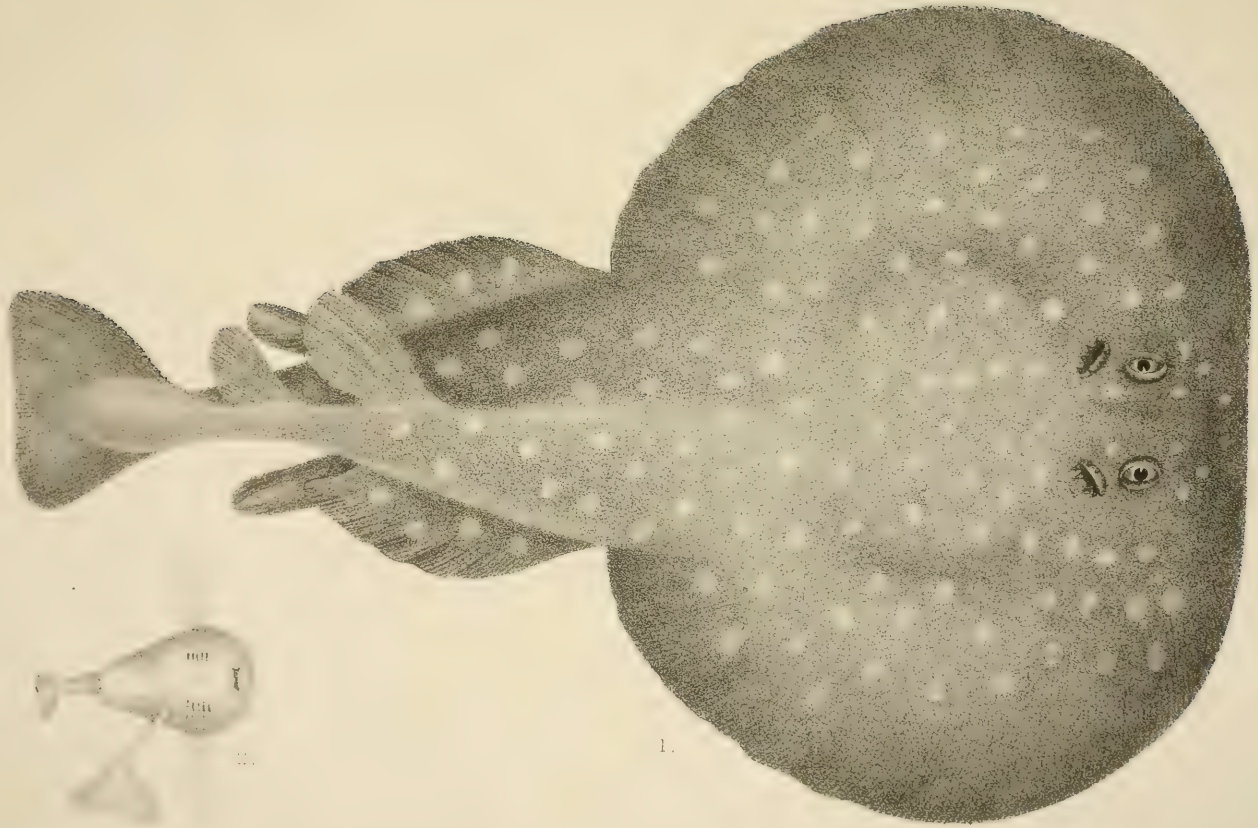
Mintern Bros. imp



F. Day del. A. Hammond lith.

Hanhart imp.

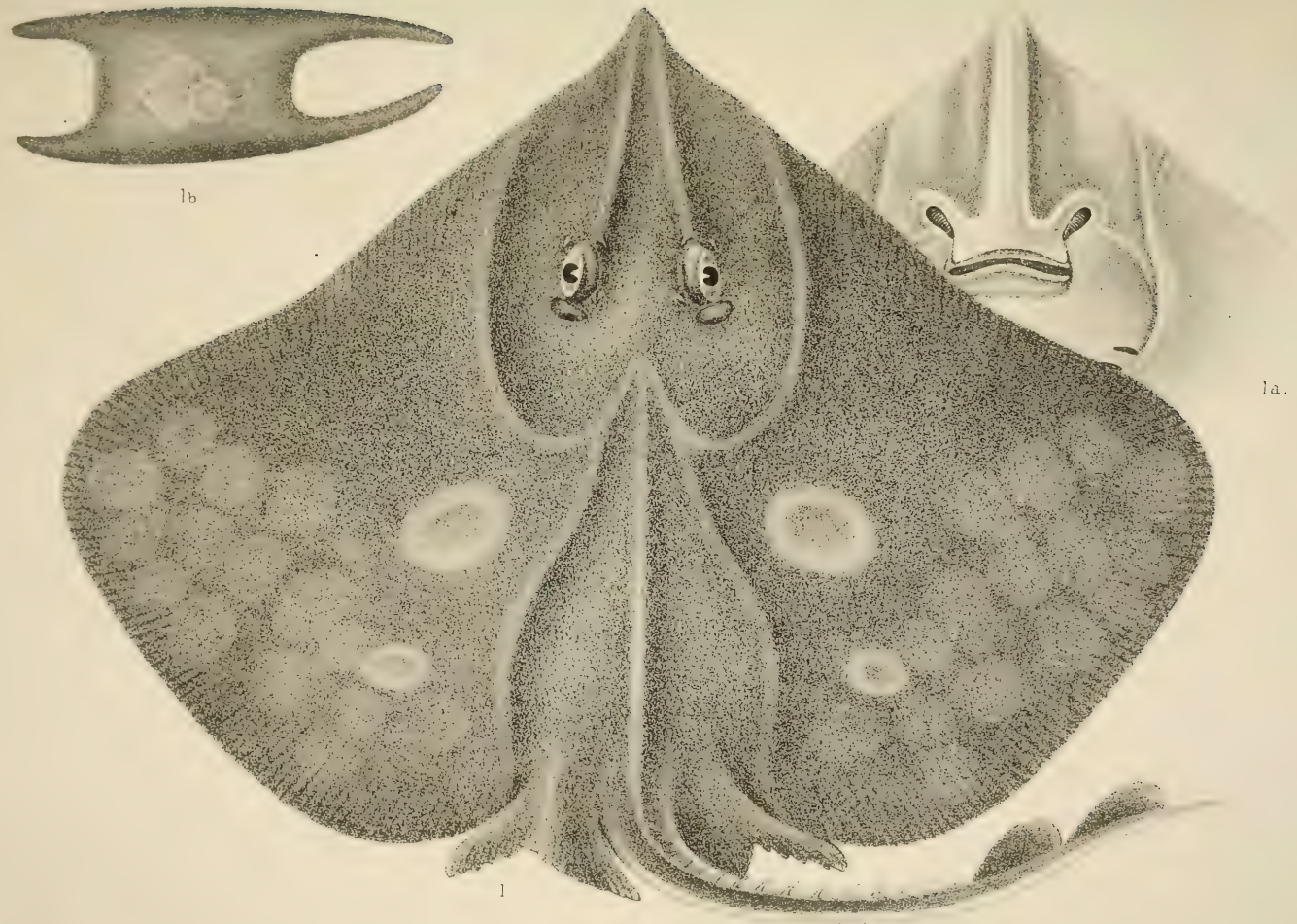
TORPEDO NOBILIANA.



F. Day del. A. Hammond lith.

Hanhart imp.

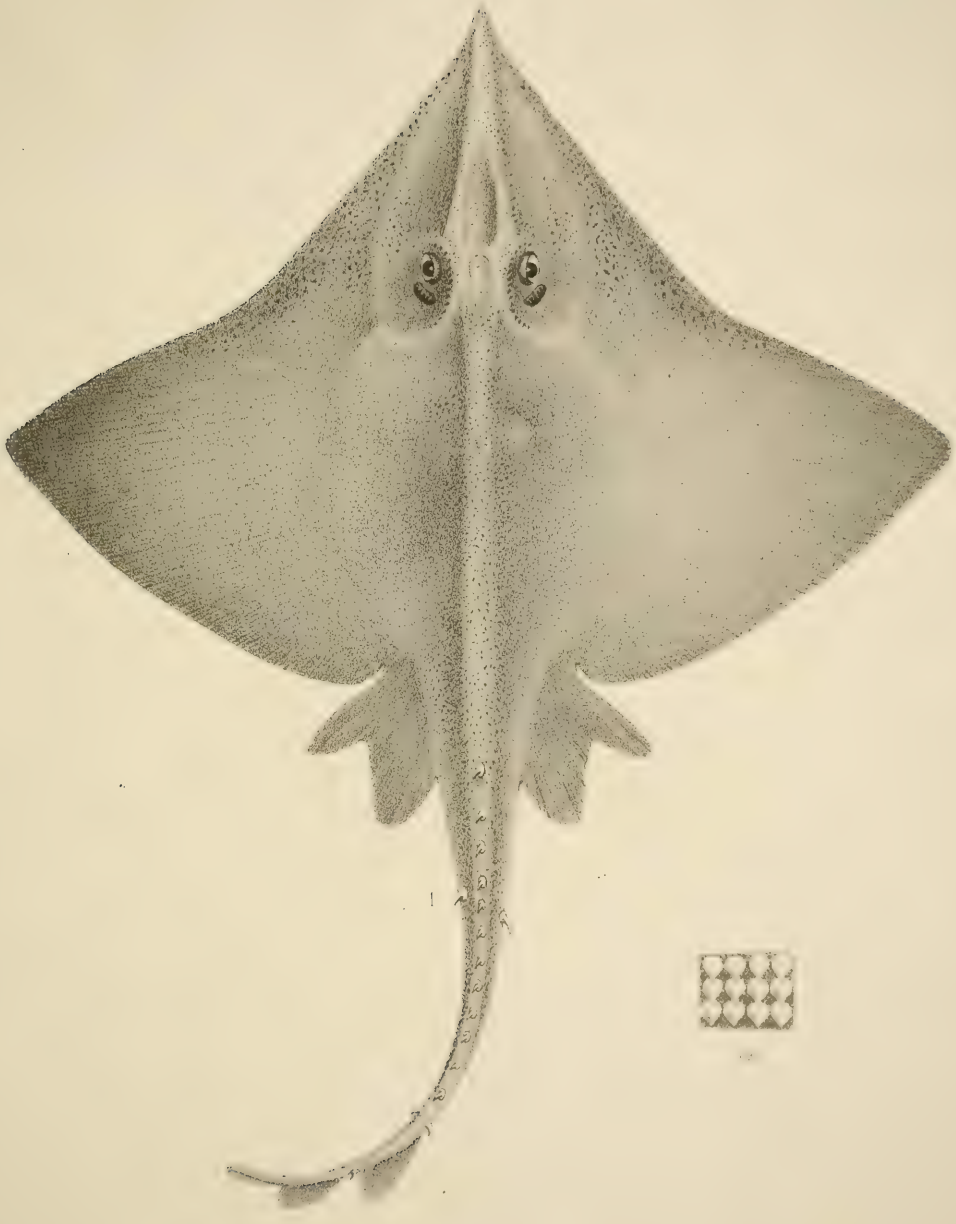
1. TORPEDO MARMORATA. 2. EMBRYO.



F. Day del. A. Hammond lith.

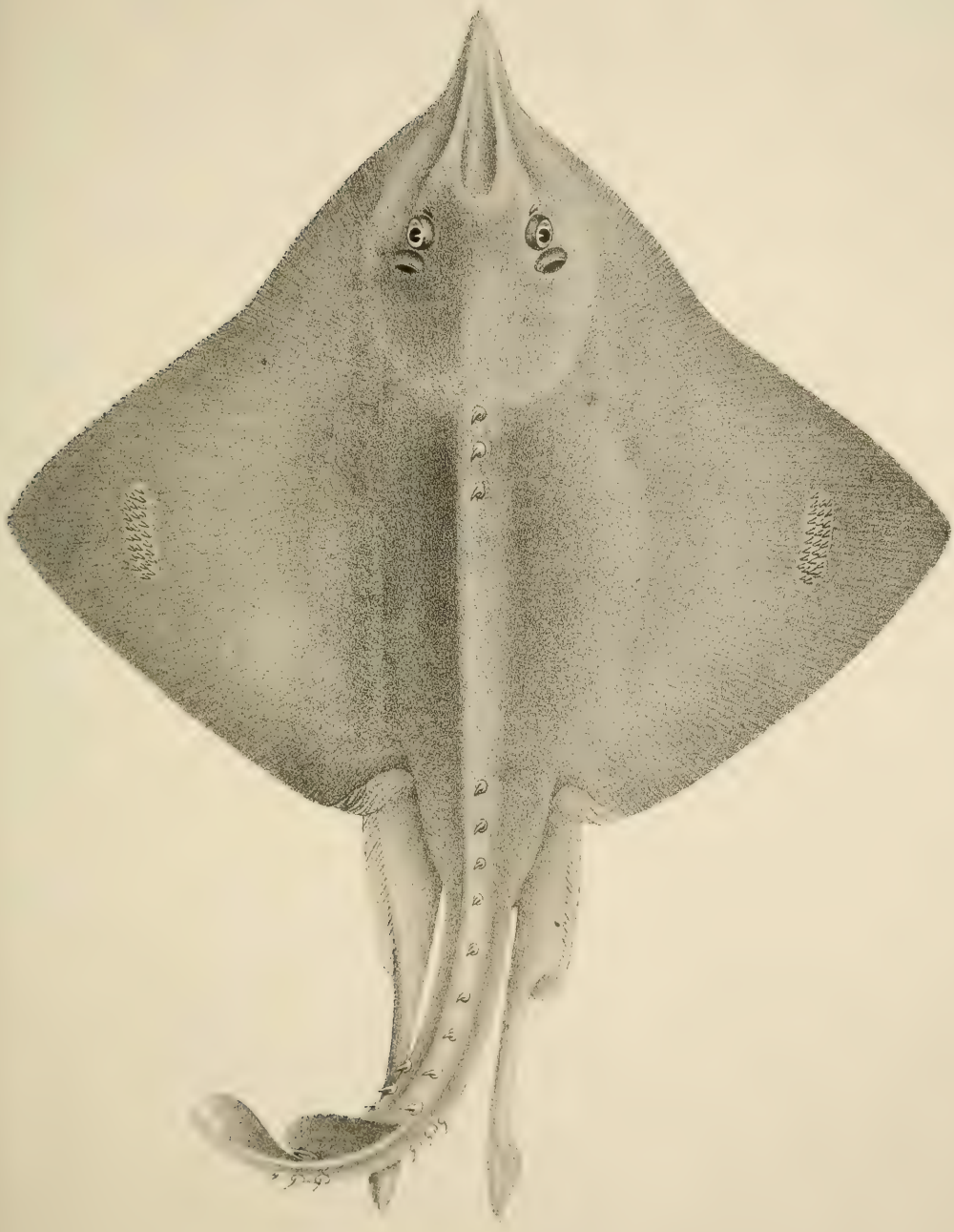
Hanhart imp.

1. RAIA BATIS.
1a. under side of head. 1b. fœtus in egg case.



F. Day del. A. Hammond lith. Hanhart imp.

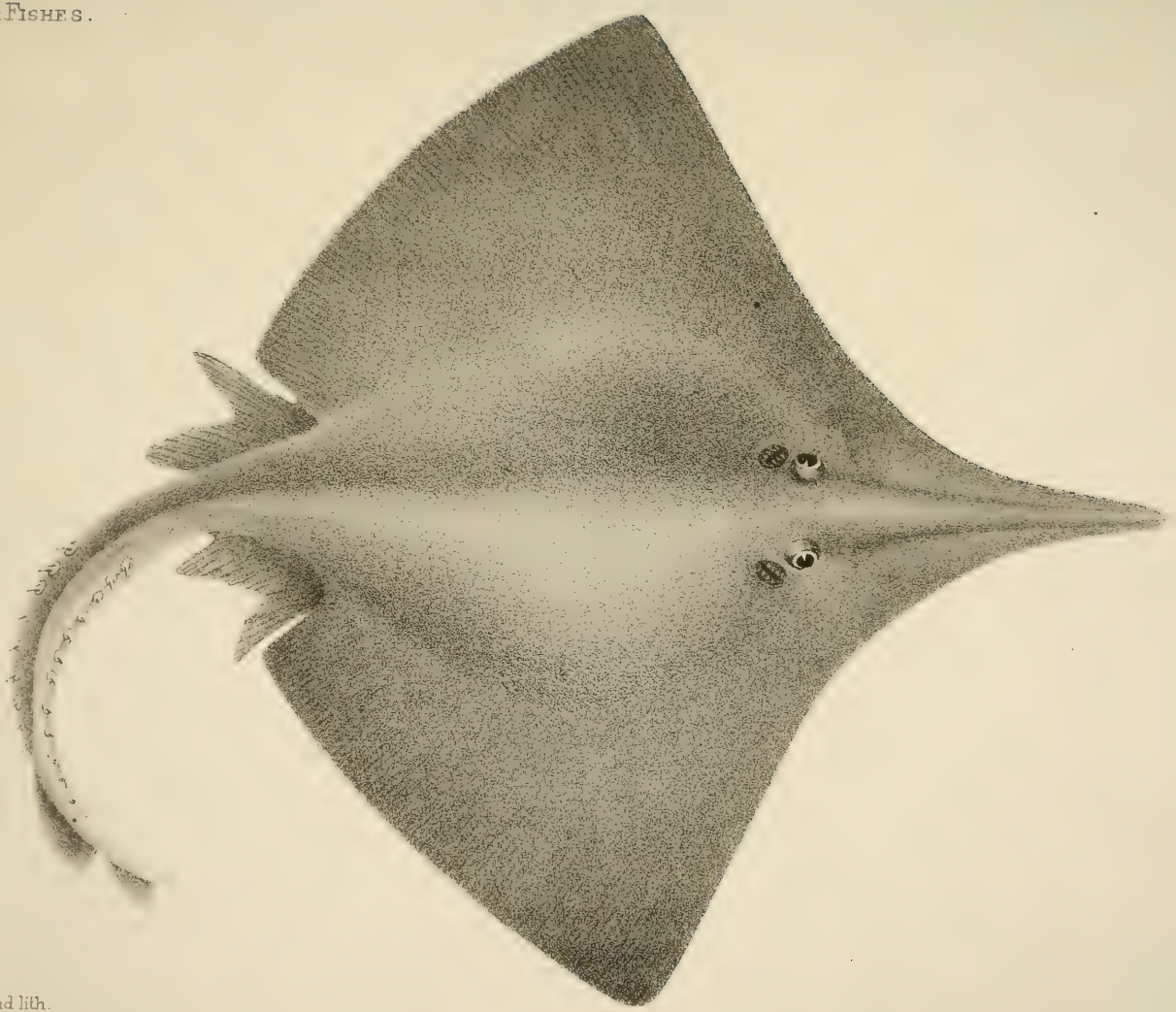
1. RAIA MACRORHYNCHUS. 1a. TEETH.



F. Day del. A. Hammond lith.

Hanhart imp.

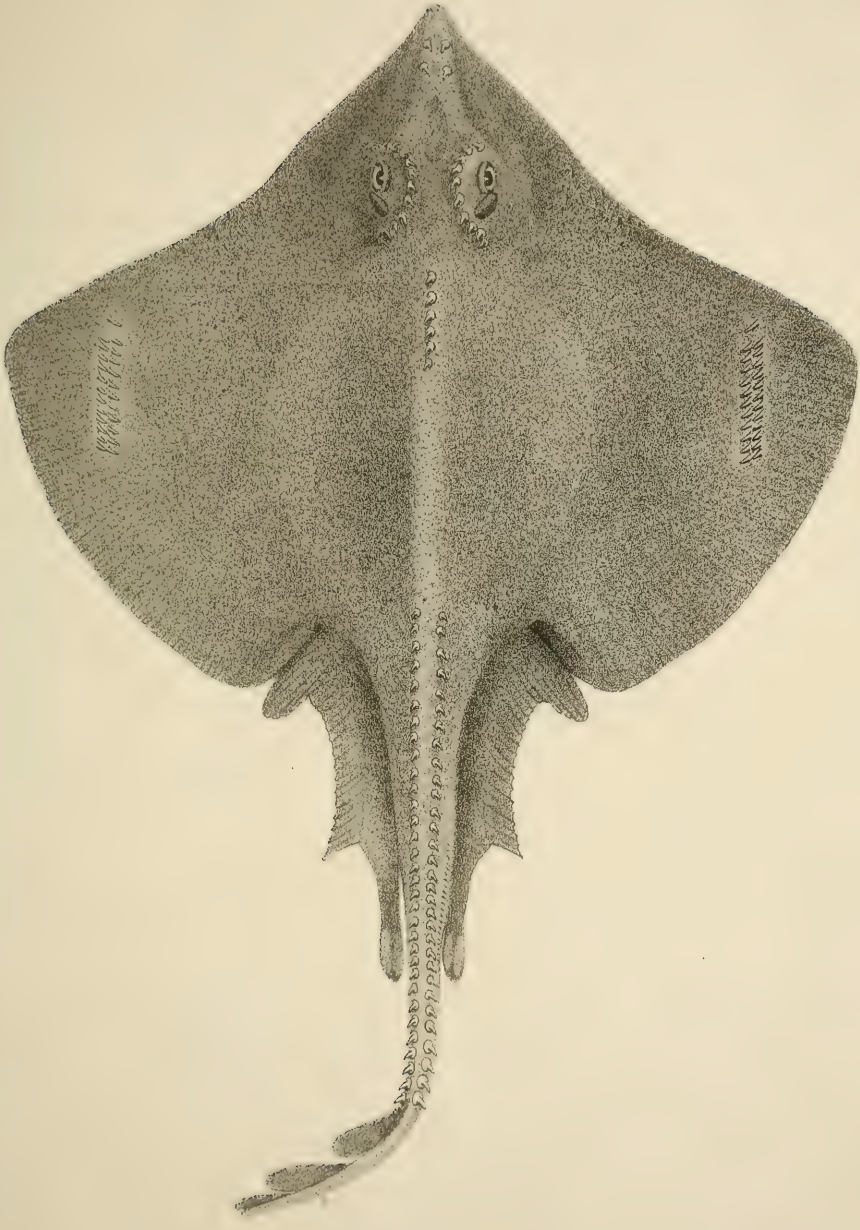
RAIA ALBA



F. Day del. A. Hammond lith.

Hanhart imp.

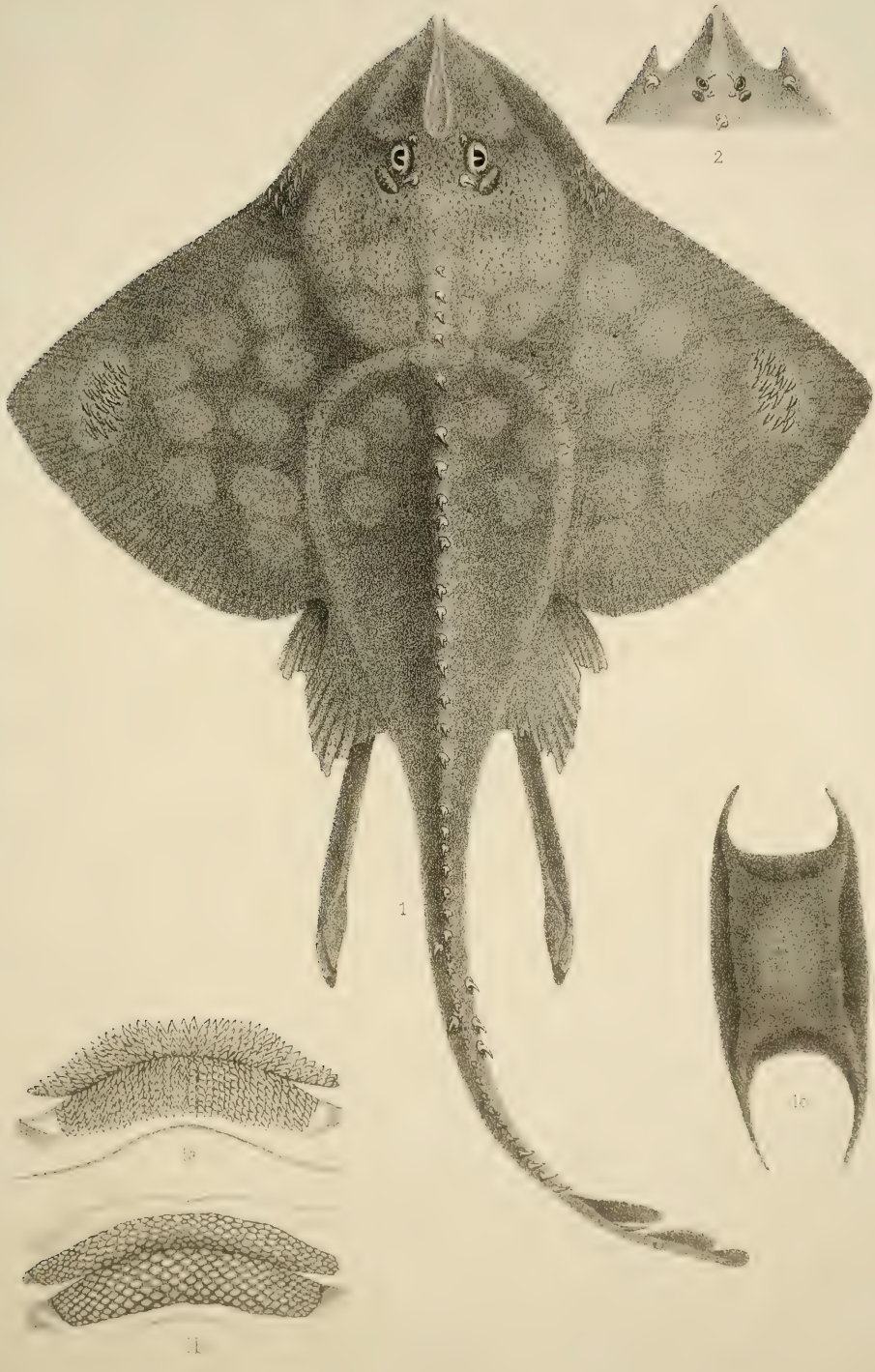
RAIA OXYRHYNCHUS.



F. Day del. A. Hammond lith.

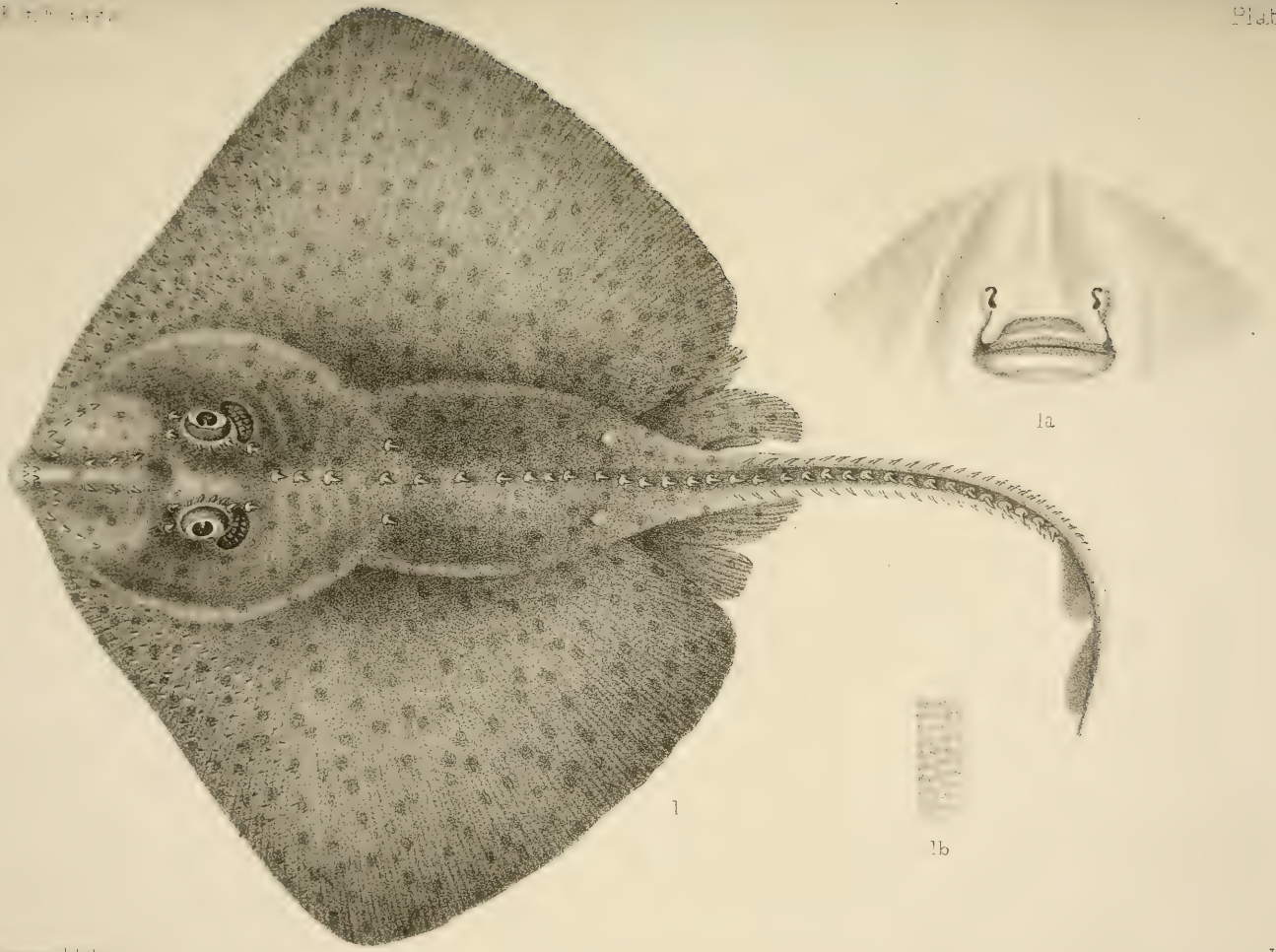
Harihart imp

RAIA FULLONICA



F.Day del A.Hammond lith. Hanhart. imp.

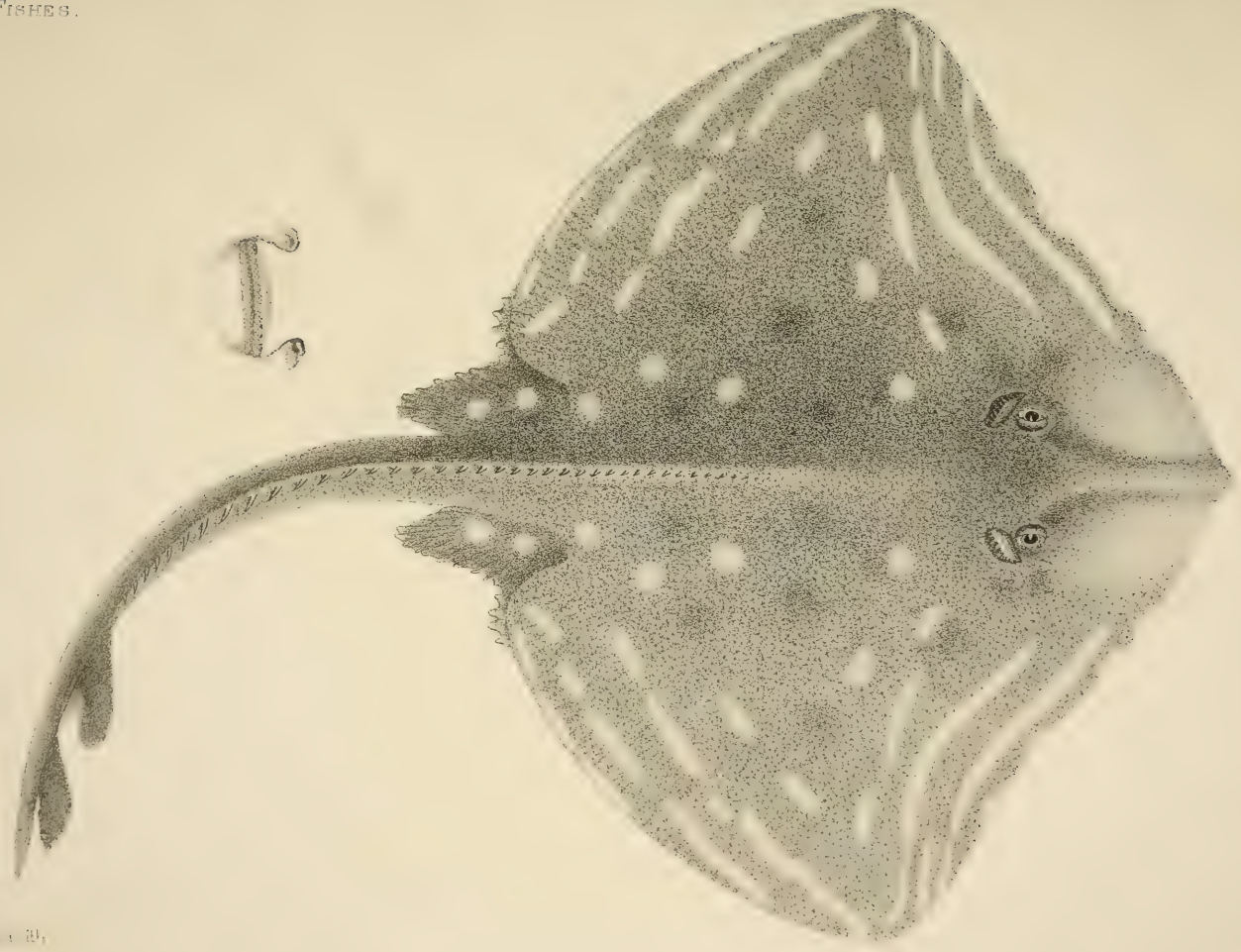
1. RAIA CLAVATA. 1a. TEETH OF FEMALE.
1b. TEETH OF MALE. 1c. OVUM. 2. MONSTROSITY.



F.Day del. A.Hammond lith

Hanhart imp

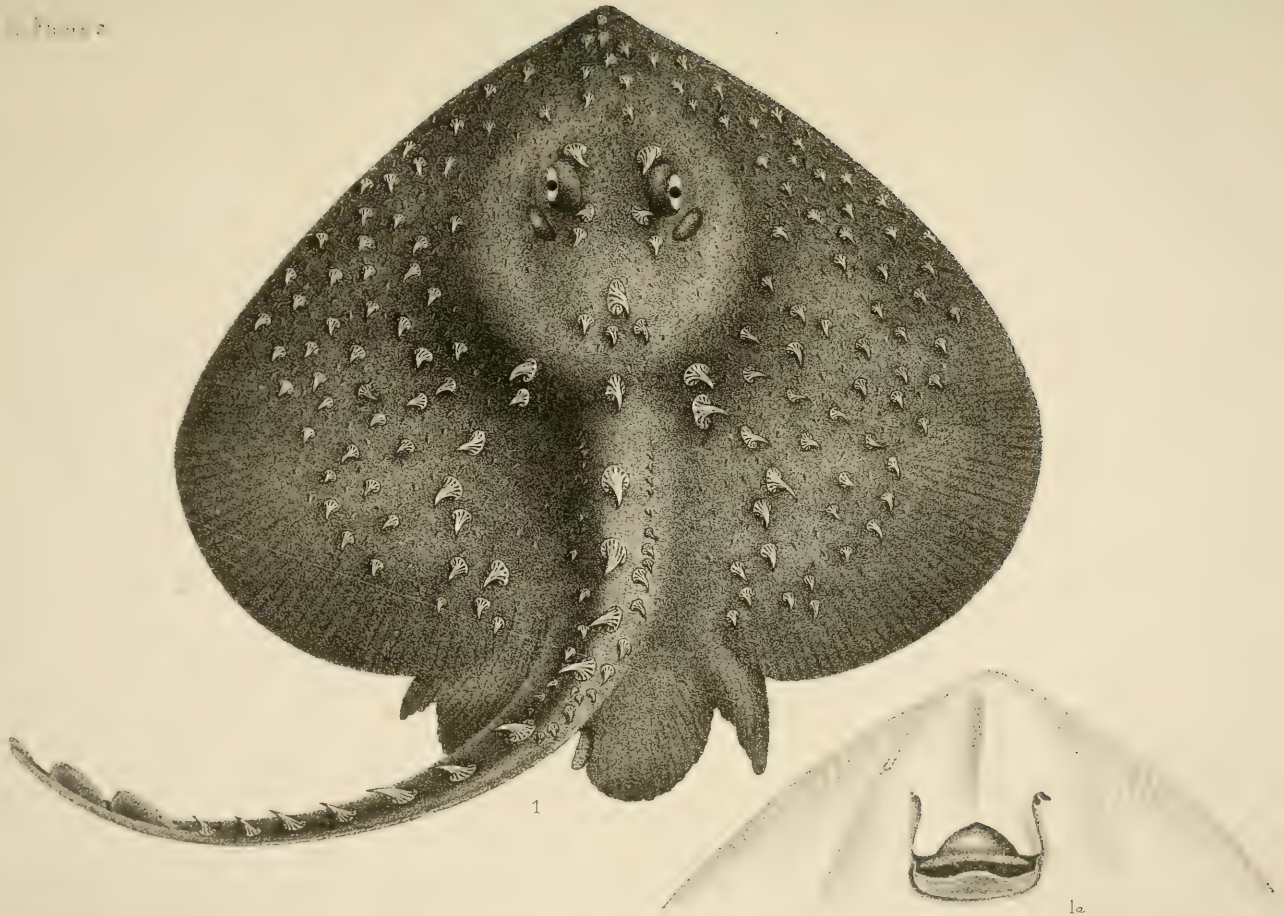
1. RAIA MACULATA 1a. UNDER SURFACE OF HEAD. 1b TEETH.



F. Day del. Ab[illegible]

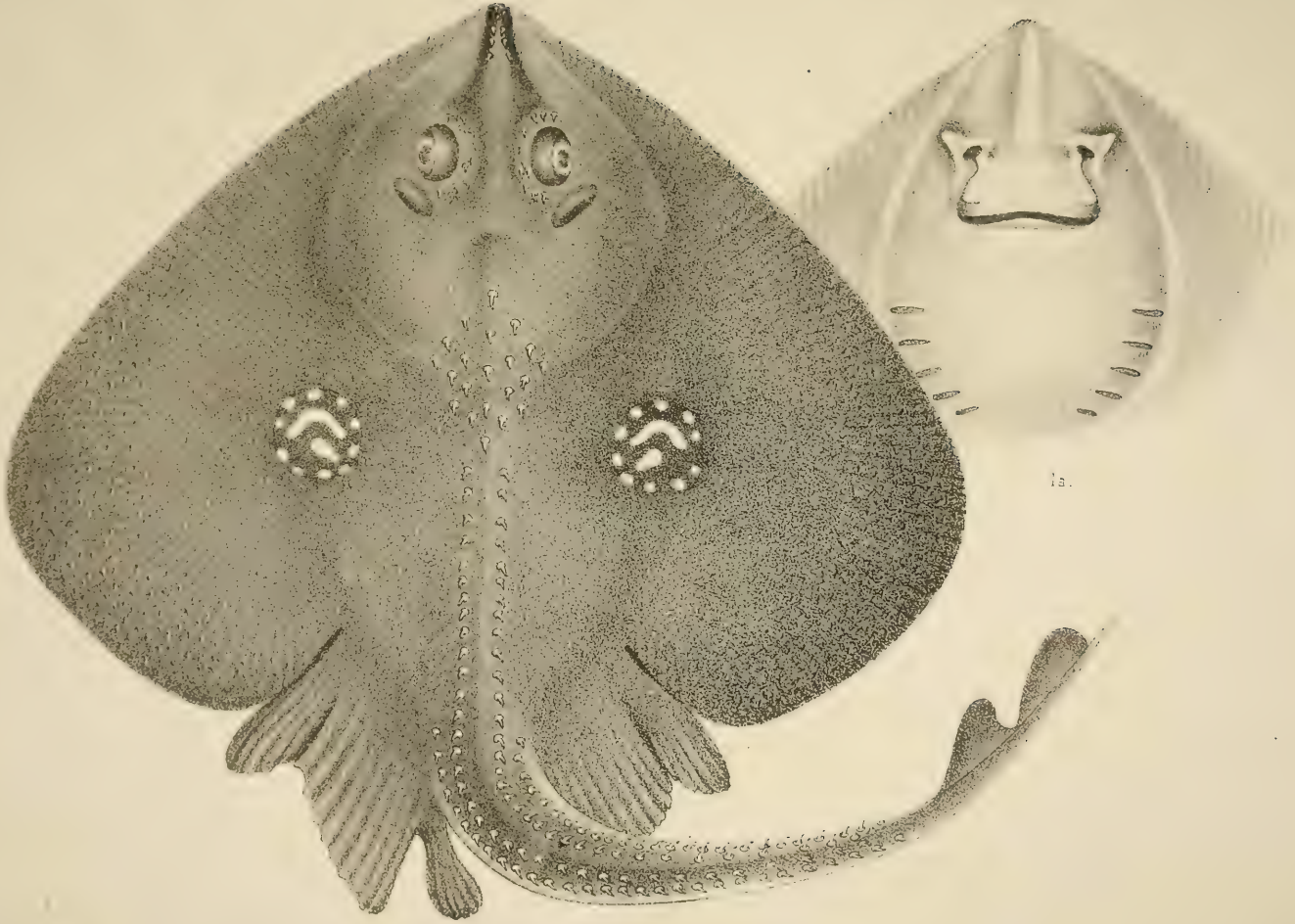
Hanhart imp.

RAIA MICROCELLATA.



Hanhart imp.

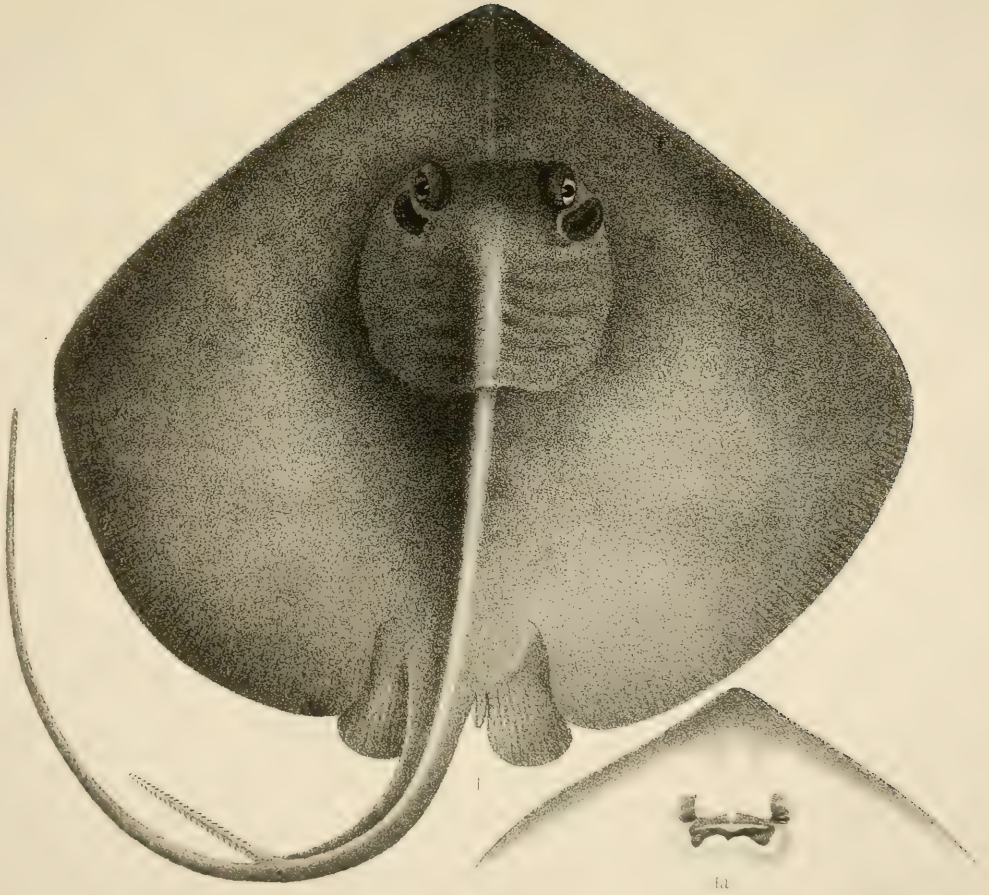
1 RAIA RADIATA. 1a. UNDER SURFACE OF HEAD



F. Day del. A. Hammond lith.

Hanhart imp.

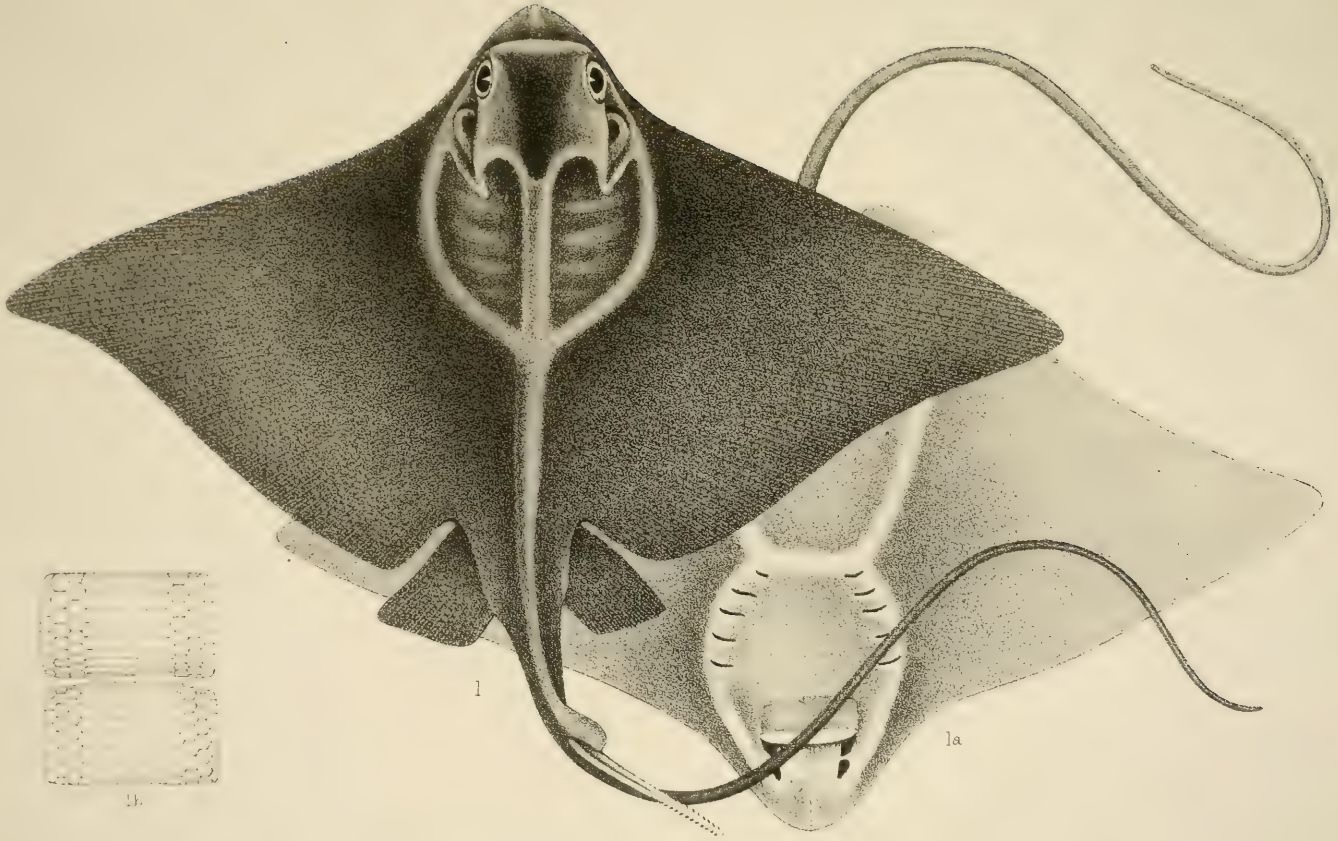
RAIA CIRCULARIS
1a. under side of head.



J. Day del. A. Hammond lith.

1. TRYGON PASTINACA. 1a. UNDER SURFACE OF HEAD.

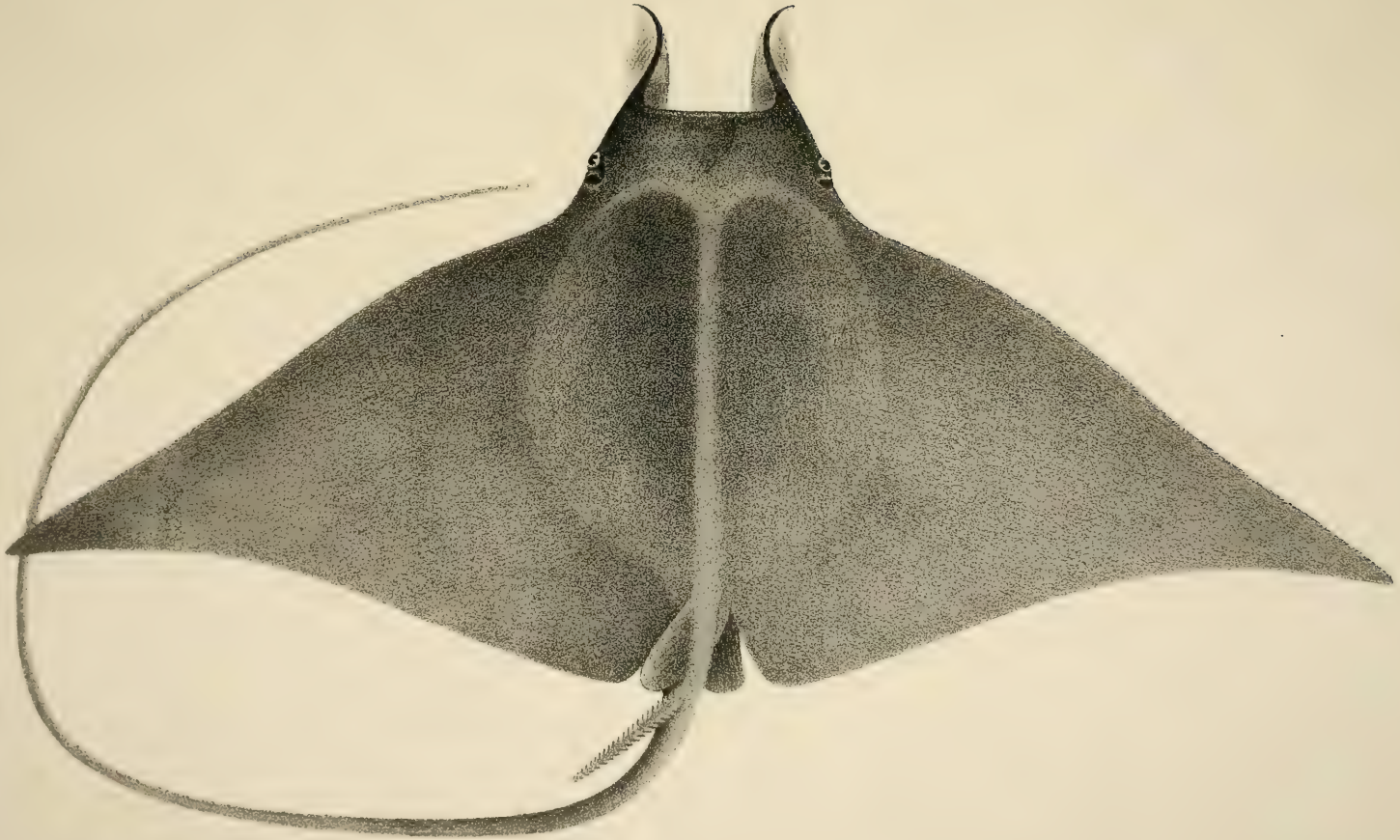
Hanhart imp



F Day del. A Hammond lith

1. MYLIOBATIS AQUILA. 1a. UNDER SURFACE 1b. TEETH.

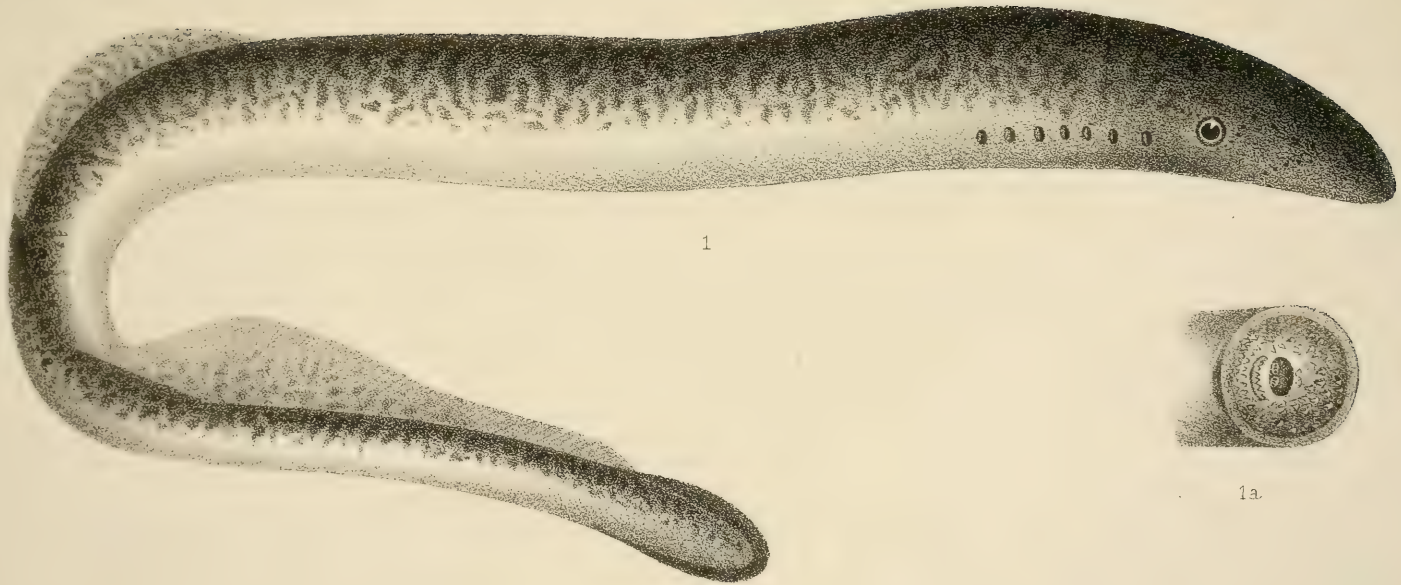
Hanhart imp.



F.Day del A.Hammond lith

Hanhart imp.

CEPHALOPTERA GIORNÆ.



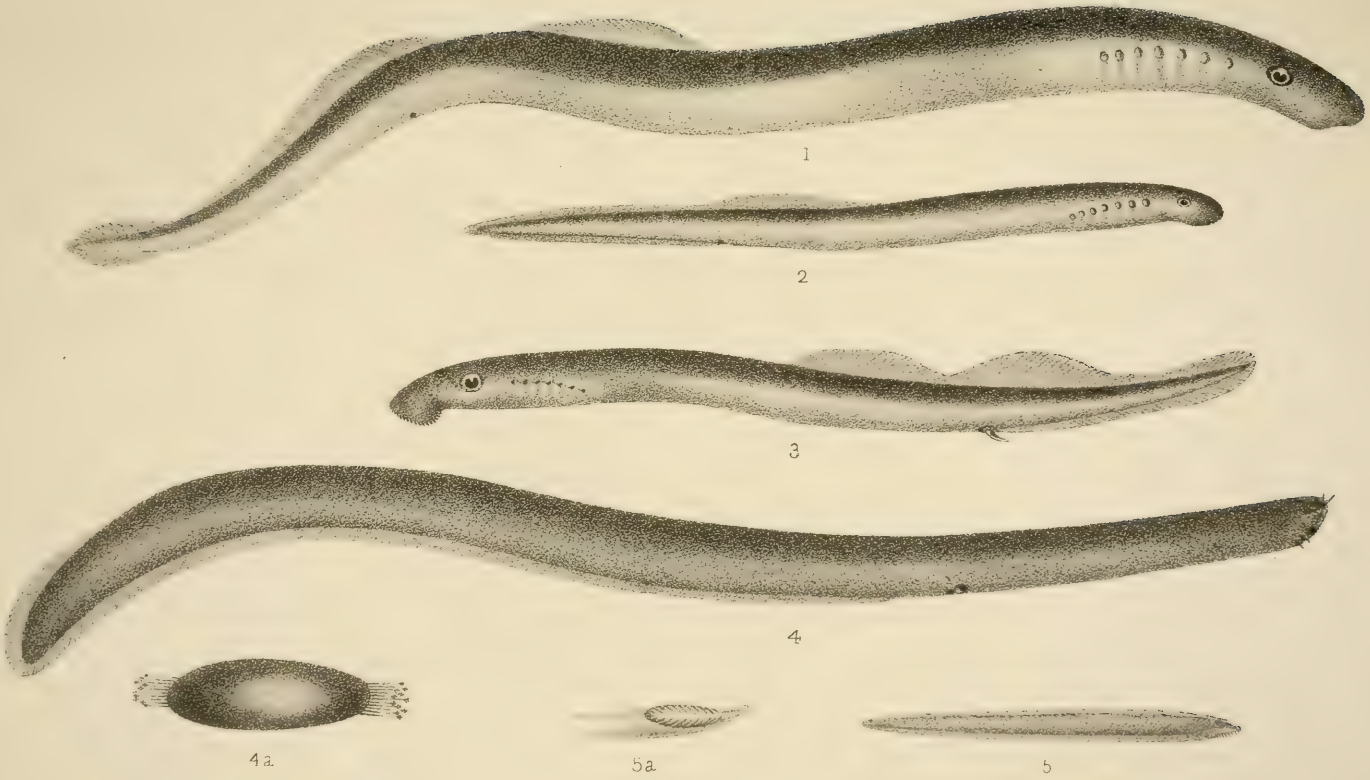
1

1a

J. Day del. A Hammond lith.

Hanhart imp

1.PETROMYZON MARINUS. 1a MOUTH.



F.Day del. A Hammond lith. Hanhart. imp.

1. PETROMYZON FLUVIATILIS 2. 3. P. BRANCHIALIS 4 MYXINE GLUTINOSA,
4a. OVUM 5. BRANCHIOSTOMA LANCEOLATUM 5a MOUTH.

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